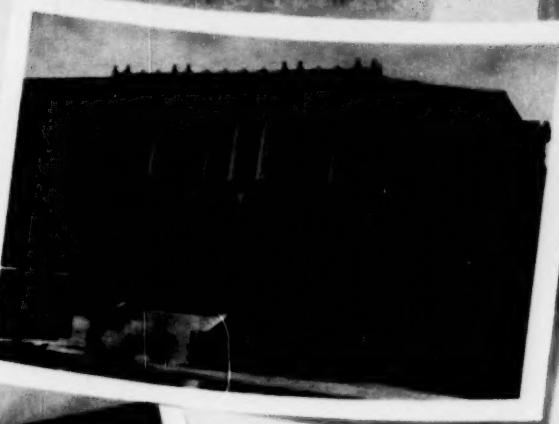
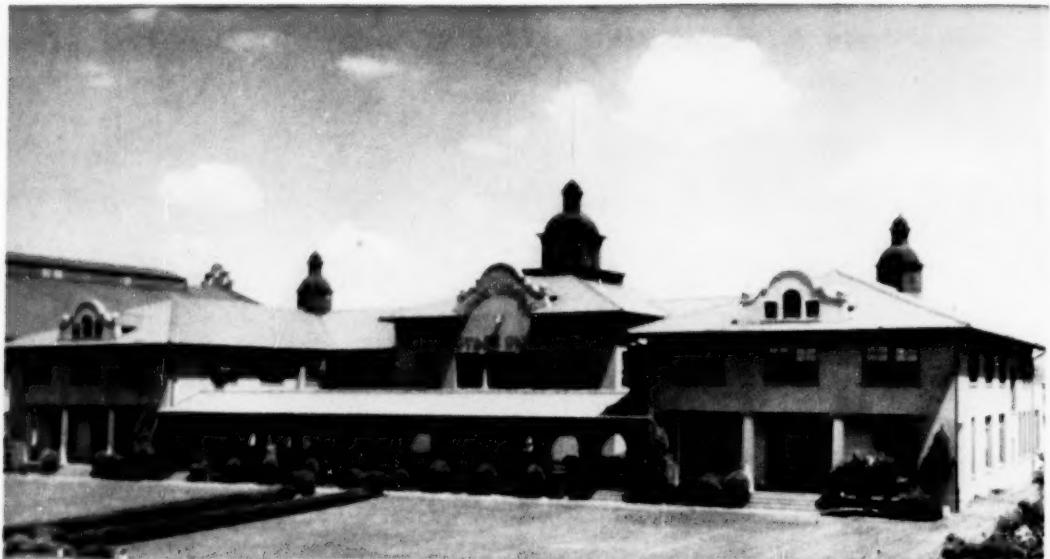


The Cattleman

Fort Worth, Texas, May, 1951

VOLUME XXXVII - No. 12





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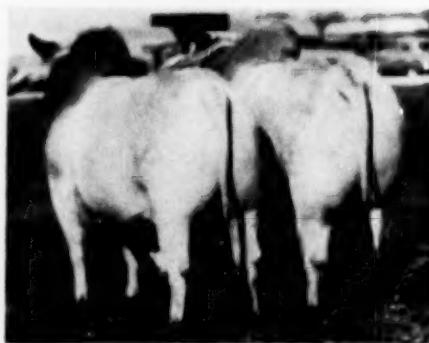
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The Cattleman

VOL. XXXVII

MAY, 1961

No. 12

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LIVESTOCK FIELDMAN
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ADVERTISING PRODUCTION

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Of things that concern cattle raisers

The Cattleman Cover

TEXAS TECHNOLOGICAL COLLEGE

PICTURED are: Upper right, Agricultural Building; upper left, Library; lower left, Sneed Hall; lower right, Administration Building. The statue is of Will Rogers on his famous horse, Soapy. The statue, executed by Mrs. Electra Waggoner Biggs, daughter of a prominent Texas ranchman, is an exact duplicate of the one in front of the Will Rogers Memorial Coliseum in Fort Worth and was presented to Texas Tech by Amon Carter.

Texas Technological College began its useful life of service to Texas and the Southwest 25 years ago and during this quarter of a century has taken its place among the top educational institutions of the nation.

It is entirely fitting that in this issue of *The Cattleman* we take special notice of Texas Tech on the completion of the celebration of its Silver Anniversary and tell our readers of the very broad educational program being carried on there. Not only is this program of high standard in the class room but far-reaching research programs are included. Some of these are carried on in cooperation with Texas A. & M. College and the University of Texas.

Many members and officers of the Texas and Southwestern Cattle Raisers Association have been vitally interested in Texas Technological College. Three presidents of this association have been members of the Texas Tech Board of Directors. They are as follows: J. M. West, President, 1931-32; J. T. Sneed, 1938-40; Chanslor E. Weymouth, present member and vice-chairman; Ray Willoughby, present president of the association, was a member of the Texas Tech Foundation Committee.

Texas and the Southwest is blessed with many good, high quality institutions of learning. They are all contributing immeasurably to the advancement of the people living in that area. Their contribution to the intellectual, spiritual, and general welfare of the people is and has been an important factor in the advancement of all classes. So, while this issue has signaled out one of these schools in particular, we pay tribute to all of them.

Warns of National Scandal in Meat

PROLONGED price controls and a growing black market in meat threaten to develop into a national scandal, John Holmes, president of Swift & Company, declared at a luncheon of the Baltimore Association of Commerce for the board of directors of the American Meat Institute April 19. Holmes said "there are many indications which support the belief that a considerable black market has already developed."

"It is greatly to be hoped that Congress will recognize the situation before it develops into a national scandal, and vote out attempts to control meat prices by regulation, a procedure which all experience proves is futile," he said.

"I am fearful that a growing philosophy of dependence upon controls may lead us to the point of no return. As much as all of us, including those in government, may want to get our business system back on a free market basis, experience in other countries has shown that it is a difficult thing to do."

"Meat packers can testify that real control of meat prices by artificial means—ceilings, rationing and the like—is impossible," Holmes stated. "Such things only camouflage the true situation, giving us a set of fictitious prices while the real inflationary pressure produces a bigger and better black market, where the sky is the limit."

Holmes declared there is a serious danger that price control will discourage livestock production and disrupt meat distribution.

"Normally, free markets automatically regulate equitable distribution of meat, but when prices are not free to fluctuate, in accordance with constantly changing supply and demand conditions, local shortages and surpluses occur," he said.

"Black markets take meat out of normal channels of distribution and, when this occurs, centers of population suffer most. This is because black markets reduce livestock supplies

available to well-established meat packers who comply with the regulations. This reduction is very significant in the case of federally-inspected meat packers who are the only processors authorized to distribute meat in interstate commerce."

Holmes said that while every citizen must do his part in helping make present stabilization controls work, "it is our duty, nevertheless, to point out the inadequacies and actual dangers of a controlled economy."

"Stop-gap controls are not the real answer to our inflation problem. Basic anti-inflation steps must be taken immediately. These steps include sound government monetary policies, pay-as-we-go taxation, limitations on credit, increased private savings, strict economy in government, federal, state and local, and strict economy in business and individual spending."

Directors' Meeting

THE first quarterly meeting of the board of directors of the Texas and Southwestern Cattle Raisers Association will be held at Tyler, Texas, on June 16, at 9:00 A. M. The place of the meeting, according to an announcement by Ray Willoughby, president of the association, will be the Hotel Blackstone. Henry Bell, secretary-general manager of the association, says that all arrangements have been made at Tyler to take care of this meeting and that the citizens of Tyler are looking forward to this first directors' meeting to be held in East Texas. He says that the hotel will contact all directors and officers regarding hotel reservations. Any others who wish to attend this meeting should write the hotel immediately for accommodations.

President Willoughby particularly urges all members and others interested in the association and the cattle industry to be present at the meeting. He is particularly anxious that East Texas members be present so that they will have a chance to become better acquainted with their board of directors and to learn how the affairs of the association are conducted. Willoughby extends a very cordial invitation to all interested to be there. Further details relative to the matters to be discussed at this meeting will be given in the June issue of *The Cattleman*.

General Johnson Resigns as Co-Director of Foot and Mouth Disease Commission

GEneral HARRY H. JOHNSON of Houston, executive of the Gulf Oil Corporation who has been on leave of absence, has announced his resignation as special assistant to the United States Secretary of Agriculture and Co-Director of the joint Mexico-United States Aftosa Commission. His resignation, effective May 1, 1951, was accepted in Washington by Secretary of Agriculture Charles F. Brannan.

General Johnson, who has served in his public service post since May 13, 1948, gave as his reason for resigning the bright outlook for the complete eradication of the deadly disease from the infected zone of Mexico.

General Johnson will return to his executive post with the Gulf Oil Corporation, Houston, a company for which he has worked since 1920, except for military service.

In accepting his resignation, Secretary Brannan praised General Johnson for his "wise leadership and devotion to duty which have contributed so much toward the favorable situation."

"I recall when you undertook the heavy responsibilities of your position in Mexico the many difficulties that loomed in the path toward ultimate victory against the disease," said Secretary Brannan. "It is most gratifying to me—as I know it is to the people of this country (United States)—to observe the present bright prospects for the total eradication of foot-and-mouth disease in Mexico."

General Johnson, in submitting his resignation, stressed the wonderful cooperation given him by the Mexican officials and people.

"This program could not have possibly succeeded had it

New, Improved SCREW WORM Remedy



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Screw Worm, Fleuce Worm and Other
Blow Fly Infestations in Livestock.

*Gives greater protection from
screw worm reinfection*

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Major General Harry H. Johnson

not been for the deep sense of dedication to eradicate Aftosa in Mexico on the part of President Aleman; Honorable Ortiz Garza, Secretary of Agriculture; Honorable Oscar Flores, Under-Secretary of Agriculture; Dr. Lauro Ortega, Sub-Director of the Commission; and the Mexican people. The Mexicans and Americans have worked together shoulder to shoulder in one of the greatest scientific experiments ever attempted against an animal disease. They proved that free peoples with a common problem can solve them in an intelligent and cooperative way acting in concert with dignity and mutual respect."

During the nearly three years General Johnson has served on the joint commission, the five-point program to eradicate Aftosa has accomplished unprecedented results. More than 53,000,000 doses of vaccine were manufactured in Mexico, starting from scratch without one single dose ever having been produced in Mexico before this campaign. Most of the animal population of the infected zone, approximately the size of Texas, were vaccinated four times. At one time the commission was vaccinating animals at the rate of seven animals per second.

A total of 60,130,189 animals were vaccinated. Vaccination ended August 1, 1950, and the emphasis since has been on inspection. Animals are now being inspected at the rate of about 13,000,000 per month. Only one outbreak of Aftosa has occurred in the past sixteen months—that at Comalteco, Veracruz, in a herd of 56 animals, on December 30, 1950. It was promptly eradicated and there is no evidence that any trace of the disease remains in Mexico.

Copy of teletype from General Johnson to Secretary Branigan.

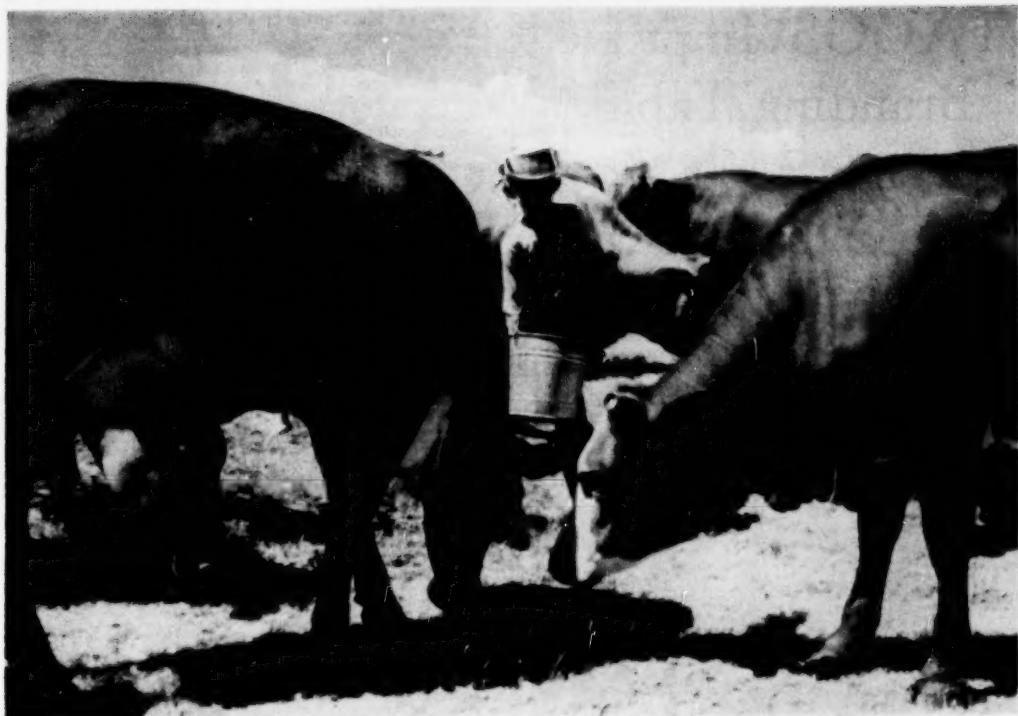
Honorable Charles F. Brannan
Secretary of Agriculture
Washington, D. C.

April 5, 1951.

The Aftosa campaign in Mexico has proven successful so far and I believe that my services are no longer needed. I request to be released from duty in Mexico effective the first of May.

In submitting this request, I wish to take this opportunity to thank you, members of your staff and the Bureau of Animal Industry for your cordial and wholehearted support. Likewise, I wish to call to your attention that this program could not have possibly succeeded had it not been for the deep sense of dedication to eradicate Aftosa in Mexico on the part of President Aleman, his Secretary of Agriculture, Honorable Ortiz Garza, and Honorable Oscar Flores, Undersecretary of Agriculture. The Mexicans and Americans have worked together harmoniously to bring about the accomplishment of our mission and I am indeed delighted to have been a part of this organization.

It is my privilege to also call to your attention the tre-



(Above)—An unretouched photograph taken in 1949. Seven-year-old Laurie Lasater with a group of yearling Beefmaster heifers.

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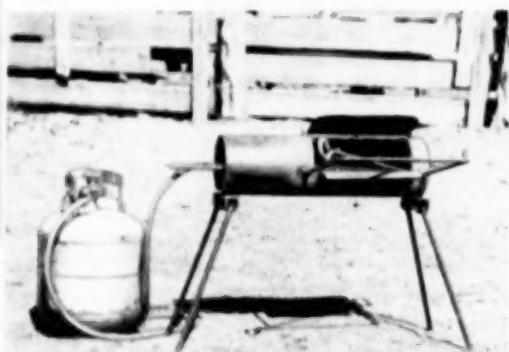
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mendous support given to this program by the livestock industry of Mexico and the United States. All associations have, through their support and watchfulness and understanding, contributed immeasurably to the campaign and to those leaders who have given so untiringly of their time and energy I wish to extend my thanks and appreciation. The members of the commission, Mexicans and Americans, deserve particular commendation for their loyalty, zeal and patriotism, and the unselfish devotion to duty by the members of this organization has truly been an inspiration to me. It also behoves me to call to your attention that during the past three years the Mexicans and Americans who have been working shoulder to shoulder, of which there were at one time 7,000 Mexicans and 1,200 Americans, have cooperated in such a way as to win mutual respect. It is believed that this collaboration has contributed materially to the good will and understanding between the two great republics, and definitely proves that free peoples with common problems can solve them in an intelligent and cooperative way acting in concert with dignity and mutual respect.

It is my plan, if you concur in this request, to return to my former employer in Houston, Texas. Please answer quickly as I propose to announce this decision at 11:00 A. M. Friday, April sixth, and likewise request that you make no announcement until that time, if any.

Respectfully yours,

GENERAL HARRY H. JOHNSON

Copy of teletype from Secretary Brannan to General Johnson:

WASHINGON, D. C., April 5, 1951.

General Harry H. Johnson
Special Assistant to the Secretary of Agriculture and Co-Director of the Mexican-United States Commission for the Eradication of Foot-and-Mouth Disease
Mexico City

I have before me your teletype of today (April 5, 1951) requesting to be relieved from your arduous duties in Mexico effective May 1, 1951. You indicate that the present favorable outlook for the program makes it unnecessary for you to remain longer on leave from your company in Houston. In deference to your request, I am releasing you on the date you have specified.

I recall when you undertook the heavy responsibilities of your position in Mexico the many difficulties that loomed ahead in the path toward ultimate victory against the disease. It is most gratifying to me—as I know it is to the people of this country—to observe the present bright prospects for total eradication of foot-and-mouth disease in Mexico. You have commented in your teletype on the devoted work of Mexicans and Americans who have given so much and so skillfully to this program. I am glad to concur wholeheartedly with you and to add my personal thanks and the appreciation of the entire department on behalf of the people of this country for your own wise leadership and devotion to duty which have contributed so much toward the present favorable situation.

With our best wishes for your future health, prosperity, and happiness, I am

Sincerely,
CHARLES F. BRANNAN
Secretary of Agriculture

Federal Meat Grading Service Fees Raised

THE U. S. Department of Agriculture has announced that effective April 23 grading fees charged for the Federal meat grading service will be increased from \$3.00 to \$3.60 per hour.

This increase in fees for the grading service is being made to provide sufficient revenue to equal the cost of the service. Statutes authorizing the meat grading service require that fees charged for the grading of meats must provide sufficient revenue to defray the costs of the program. The present increase was made following a thorough analysis of the current cost of the program and after the application of every feasible economy.

The meat grading service is a voluntary program offered to meat packers, processors, handlers, and others since 1927 to provide uniform and reliable grade standards for the meat trade and consumers. Beef, veal, lamb, and mutton are graded under the program by employees of the U. S. Department of Agriculture.



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14'	6' 59"	41.65	
12'	5' 42"	29.95	
12'	6' 49"	33.85	
10'	5' 39"	27.20	
10'	6' 46"	29.85	
4'	5' 18"	11.45	
4'	6' 21"	12.70	

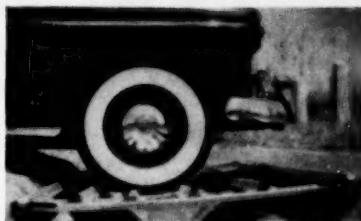


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Trial by Drought

April 1, 1951

Gentlemen:

The recent drought breaking rain has revealed the true color and condition of the young bull purchased from you last September! He is in good shape, having only been fed a meager amount of range cubes or 16% dairy fed and CACTUS—with the thorns.

The above is an actual, unsolicited testimonial received by us. Name of the writer will be sent on request.

YOU are invited to inspect our herd. See their condition now during the worst drought in our recorded history. Our main herd has been—and is—getting along fine on a small daily consumption of mixed cottonseed meal, alfalfa meal, bonemeal and salt fed free choice at each watering place. Their good condition more than proves that you can.

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Our Beefmaster breeding was purchased from the original Lassiter Beefmaster herds now located at Falfurrias, Texas, and Matheson, Colorado.

General Johnson Returns to Houston

By GEORGE KIRKSEY, Special Representative
The Joint Live Stock Committee

MAJOR-GENERAL HARRY H. JOHNSON, the Houstonian who has been in Mexico for three years as co-director of history's greatest campaign against foot-and-mouth disease, returned to Houston, May 1, victorious in his long battle against the virus-borne disease that threatened the giant United States live stock industry.

With the Mexican outbreak that has imperiled billions of dollars in American live stock quelled, General Johnson's resignation was accepted April 6th by Charles F. Brannan, United States Secretary of Agriculture. The general will return to his post as an executive of the Gulf Oil Corporation at Houston.

General Johnson's resignation, to return to the Gulf Oil Corporation with which he has been associated—with the exception of World War II service—since 1920, found relations between the United States and Mexico at an all-time high. Successful administration of the aftosa program was credited with building much of this good will.

Dr. Lauro Ortega, subdirector of the Mexico-United States anti-aftosa commission, voiced the high opinion in which General Johnson is held at an April 6th conference in Mexico City. Speaking for President Miguel Aleman, Dr. Ortega expressed regret that General Johnson could not remain for the final victory over aftosa "which is now very close." "If, somehow," Dr. Ortega said, "General Johnson could let us keep his heart here in Mexico, as he himself departs, that heart would retain the affection of the Mexican people."

The last outbreak of aftosa was in a small herd of 56 animals in Vera Cruz State, December 29, 1950. The outbreak was quickly isolated and eradicated. It came one year after the disease was spotted on December 23, 1949, in Jalisco, date of the last previous flare-up.

Secretary Brannan, under whom General Johnson has served as a special assistant and co-director of the Mexico-United States Aftosa Commission, praised the Houstonian's three years of effort which involved administering as many as 8,200 employees and a program of tremendous scope, which included 60,130,189 separate vaccinations of cattle and other cloven-hoofed animals. General Johnson served as co-director with Senator Oscar Flores of Chihuahua, Mexico.

Secretary Brannan expressed to General Johnson his "personal thanks and the appreciation of the entire Department of Agriculture, on behalf of the people of the United States, for your wise leadership and devotion to duty which have contributed so much toward the present favorable situation."

"It is most gratifying to me—as I know it is to the people of this country—to observe the present bright prospects for the total eradication of foot-and-mouth disease in Mexico," said Brannan in Washington.

United States expenditures in the campaign have now dropped to an all-time low of \$630,000 per month. They once reached \$2,450,630 per month, as the battle to save the United States from the disease reached its height. It was estimated that an aftosa outbreak here would have cost about \$10,000,000 per week. Aftosa commission employees are down from 8,000 to 2,500.

When General Johnson went to Mexico City in June, 1948, as co-director of the program against the virus-borne disease, it had swept across 16 states of the country and was only some 250 miles from the Texas border. Mexico's entire economy, as well as the great live stock industry of the United States, was imperiled by the infection that can sweep through an entire herd overnight.

Perhaps an even greater problem was the fact that millions of Mexicans in remote areas understood neither the disease they were faced with, nor the steps necessary to combat it. Veterinary crews were unable to find infected herds, and some had been ambushed in the attempt. General Johnson initiated a giant information drive, using radio, newspapers, sound trucks, and millions of leaflets and posters in Spanish and the Indian dialects. A new spirit of cooperation sprang up quickly.

Meanwhile, a completely new vaccine was being developed, one which would break the deadly grip of the disease, and reduce the necessity for slaughter to an absolute minimum. Strict quarantine zones were put in operation. The Commission built its personnel quickly to the top figure of 8,200, including 1,200 Americans.

By July, 1948, the seemingly impossible task of vaccinating all susceptible animals in Mexico three or four times began. On August 31, 1950, more than 60,000,000 animals had been vaccinated, in the world's outstanding campaign of its kind.

Last September, when vaccine had proved its worth, the aftosa program was shifted from emphasis on vaccination to emphasis on inspection. In this final stage, the cooperation of

a posthumous award that lives

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"his influence carries on"

Following the Fort Worth Show last February,
a prominent mid-west breeder wrote us:

"The Fort Worth show was unusually strong—many good cattle. Many Texas breeders are using sons of the Grissom bull. He has done a great deal for Herefords in Texas, making marvelous improvement."



Mr. Grissom is one of our complete Hereford bulls now in service at WHR. His sons are the progeny of some of the best Herefords in working condition, but he himself is changing out every year.

An attractive, unique, impressive present.

Your name on a fine leather cover
and you're ours. Just say "I'd like to have one."

WYOMING HEREFORD RANCH
Cheyenne, Wyo.



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AND GIVE THE GRASS A CHANCE

Maintain your pastures at bed rock cost with CALDWELL WEED CUTTERS. One man with one H or M, or a D-C, and three machines can cut 75 or more acres of weeds per day. Sprouts too big for a mower are handled easily.

Cattlemen get long years of service from our machines. The ones above have been cutting weeds for 14 years and are still doing a fine job. If your range enjoyed recent rains CUT THE WEEDS AND GIVE THE GRASS A CHANCE. Write for facts.

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FOAM RUBBER

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It's easy to use foam rubber for upholstering, seat cushions, etc. Write AMC Supply for free instruction booklet!

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Foam rubber to cushion your driving over bumpy roads, through fields and ease tension while you work.

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1/2" x 4' roll - Med. density, flat stock \$16.00
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1/2" x 4' x 96" - Tuff density, faced stock \$21.00

the Mexican live stock owners was even more marked, as they reported every possibility of an outbreak. Veterinary crews inspected as many as 2,500,000 animals a week, and vigilance continues.

Magazine writers and diplomatic observers of the campaign from which General Johnson is now returning, have declared that he will leave Mexico with a reservoir of United States-Mexican good will from a program done well together.

General Johnson himself said of this, "If it were not for the whole-hearted support of the Mexicans and the United States cattle industry, foot-and-mouth disease would have been across the border long ago, and today we'd be fighting it all through the South and West."

Cattle Theft Prosecutions

ROY KAY ADAMS was tried in District Court of Harris County on February 22 for theft of 18 head of cattle from Fred Henry, F. & G. Dairy, Lloyd Matthews, C. W. Holt and M. F. McCracken. On a plea of guilty, he was given three years in each case in the penitentiary, to run concurrently.

Evidence in these cases was secured by Constable O. F. Busch of Humble, Ranger E. C. Campbell, Deputy Sheriff Ray Baas, Inspectors G. O. Stoner of Houston and Buck Eckols of Liberty. Between December 18th and January 6th, 1951, the officers had recovered 18 head of cattle stolen in these cases and returned to owners. Cattle were recovered in Harris, Montgomery, Fort Bend, Cherokee and Burleson Counties.

O. E. Prewitt, Henry Sage and Marvin Oltman were tried in District Court of Fayette County on April 16th, 1951, for theft of four head of cattle from Emel Vacik of Weimer. These cattle were stolen on February 12, 1951, and recovered at Reagan, Texas, on March 29, 1951, and returned to owner.

On pleas of guilty O. E. Prewitt was given a five year penitentiary sentence, Henry Sage a five year penitentiary sentence and Marvin Oltman a two year penitentiary sentence.

Evidence in this case was secured by Texas Ranger E. C. Campbell, Texas Ranger Mart Jones, Inspectors Buck Eckols, Liberty, J. C. Perkins, Calvert, and G. O. Stoner, Houston.

Texas Crop Report

A TEXAS wheat crop of only 19,248,000 bushels, the smallest since 1936, was in prospect for the 1951 harvest. This forecast, based on conditions as of April 1, was even below last year's very short crop of 22,712,000 bushels and only about one third the size of 1940-49 average production of 63,486,000 bushels. Production during the drought year of 1936 was 18,927,000 bushels and the yield per planted acre that year was 3.5 bushels. An average yield of only 3 bushels per planted acre was in prospect for the 1951 crop from the 6,416,000 acres drilled last fall.

Moisture conditions in the important High Plains area before seeding last fall were quite favorable. Rains, however, ended abruptly in the early fall and nothing very favorable has happened to the crop since it was drilled. Abandonment of planted acreage has been heavy in all areas. Unfavorable factors which have contributed to making this one of the most generally disastrous wheat seasons of record are: dry conditions through most of the winter in all areas; winter kill from severe mid-winter temperatures without snow cover; and severe infestation and damage by greenbugs and cutworms, particularly in the important northern High Plains area. The situation this year is similar to 1950 in the High Plains, where a large part of the seeded acreage was also lost because of greenbugs and drought. This season, however, is even more disastrous because the Low Rolling Plains and north Texas areas which produced a fair wheat crop in 1950 have also had heavy acreage abandonment.

In a large part of North Texas and the Low Rolling Plains where wheat is normally seeded later than in the High Plains, late fall moisture was insufficient for germination. Much dry seeded acreage in those areas did not germinate until late February. Greenbugs were rapidly being controlled by natural parasites in the Low Rolling Plains. On the High Plains, however, greenbugs were still present in large numbers and parasites less numerous. Warmer weather was needed for development of parasites.

Oat prospects are poor in all areas. Bulk of the fall sown oats did not survive the winter drought and extremely cold weather. A substantial acreage of spring sown oats came up to a stand following the mid-February rains. Insufficient reserve moisture and lack of rainfall until late March caused some of this spring sown acreage to be abandoned.

Pasture condition at 55 per cent on April 1 was the lowest reported for this season of the year in 25 years of record.

WINTER GARDEN PVM

NEW, SELF-RATIONING protein, vitamin, mineral supplement... PRODUCES AMAZING RESULTS under commercial range conditions!



J. T. "HAPPY" SHAHAN

Brockerville, Texas, commercial rancher and
purebred breeder, developer of PVM.

HERE are some FACTS about Winter Garden PVM, the SELF-RATIONING supplement, that may sound unbelievable to you but are true:

1. Cattle, Sheep, or Goats will NOT over-eat. They are never undernourished because PVM furnishes needed protein, vitamins and minerals to supplement grass and helps assimilation.
2. Safe and easy to feed in large self-feeders once a week or once a month depending on the size of the herd.
3. Saves feeding labor and wear and tear on ranch equipment by eliminating many trips to pasture.
4. All animals get their share because the very nature of Winter Garden PVM makes it a self-rationing product.
5. Brood animals give more milk and remain in better body condition.
6. Young weigh heavier at weaning.
7. Extra meat or wool produced off-sets many times the cost of Winter Garden PVM.
8. Winter Garden PVM will definitely make dry cows, steers and muttons add more weight when on grass.
9. Cost of feeding Winter Garden PVM is less per head if kept available, free-choice to livestock.

No additional salt, minerals or prefers needed.
It's all in one package . . .

UNBELIEVABLE? IT'S TRUE!

Buy it . . . Try it, and
You'll Boost it!

WE DEVELOPED Winter Garden PVM for our own use on commercial cattle and our registered herd. We formulated this supplement because we wanted our livestock to be in TOP condition the year around. We wanted higher percentage calf crops, earlier calves, more milk for calves and heavier, healthier calves at weaning time.

To accomplish these things on a PRACTICAL, PROFIT-PRODUCING basis we knew that we had to work through grass . . . the lowest cost factor in beef production. We had to make this low cost factor worth more to our cattle from a nutritional standpoint. After many actual range experiments which were started in 1945 with different formulas we developed what we now call WINTER GARDEN PVM. We have used PVM and have kept accurate records of the results. In one experiment that produced convincing results we placed two groups of cows and calves in separate, similar pastures. The two groups were composed of the same number of cows and calves and dry cows of the same ages and condition. One group was on PVM. The other one was on a straight mineral salt. At the conclusion of the experiment the PVM cows out-weighed the other group 204 pounds per head. The calves had been taken off the mothers at weaning ages and both groups of calves came off at about the same ages. The PVM calves out-weighed the others 22 pounds per head. Unbelievable? It's true!

In another experiment conducted on our ranch, we placed in our pastures 3200 similar quality, age and condition lambs which were bought at the same time from the same man. One pasture containing 500 head was supplemented with PVM. The other sheep were fed on accepted commercial mixed feed. At the end of the feeding period the lambs came off pasture in the same condition and all brought the same price. But here's the difference. The Winter Garden PVM lambs cost us 84¢ per head to supplement the grass for the pasture period, while the other group cost us \$3.04 per head for the commercial feed for the same length of time. For every labor hour used in distributing PVM there were four hours used in feeding the commercial mixed feed. Yet, they all brought the same price. Unbelievable? It's true! Try PVM on your own livestock in your own pasture. See for yourself how Pasture Values Multiply when your livestock assimilate and use in their bodies the full nutritional value in each blade of grass they eat.

WINTER GARDEN *Pasture Values Multiplied*

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TR ZATO HEIR

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**OUR CONSIGNMENT
ONE BULL ★ 11 FEMALES**

The bull is a top prospect by TR Zato Heir. The females are by TR Zato Heir, TR Prince Larry, TR Royal Onward and Tealdo Rupert. Eight sell bred to TR Zato Heir. The daughters of TR Zato Heir sell open. All are select individuals. Plan to attend the tour June 8 and the sale at 7 P. M. on June 8.

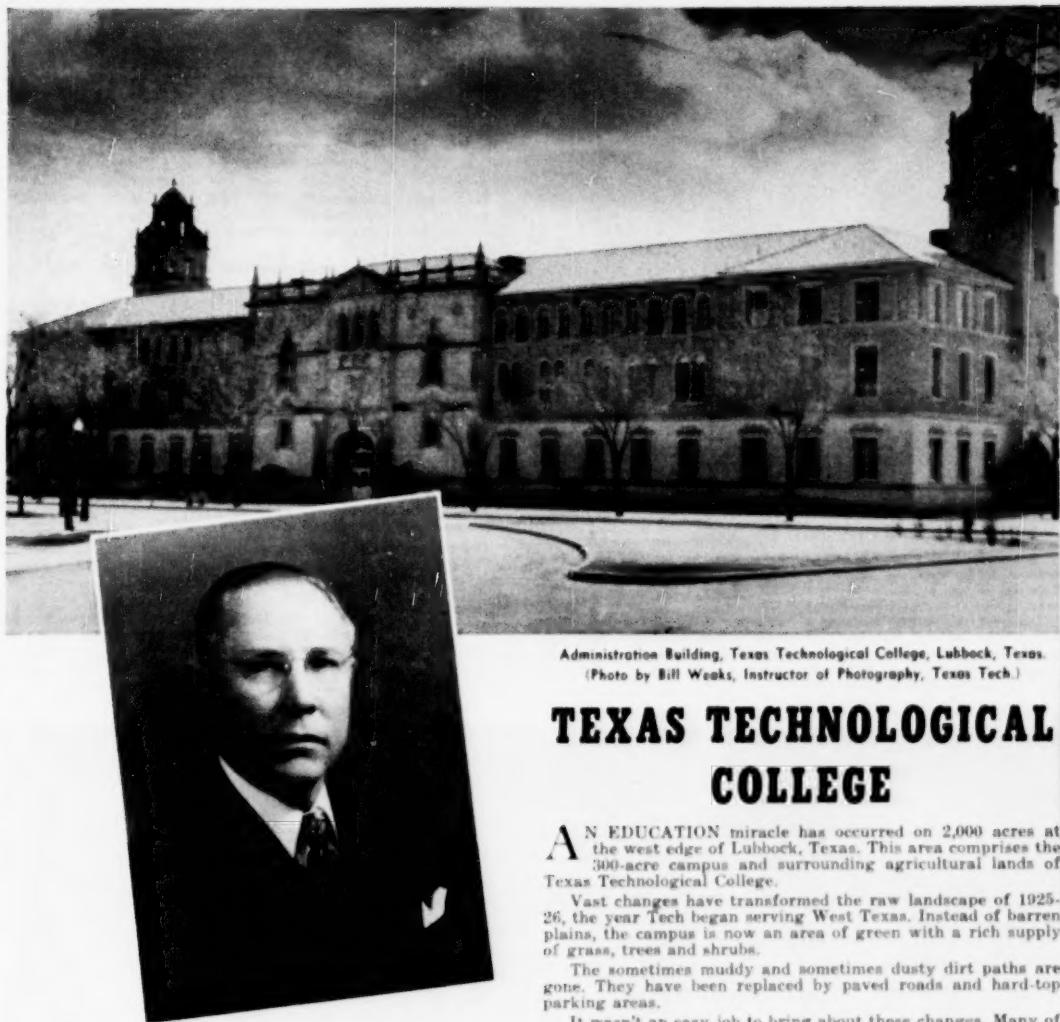
*NATURAL
Fleshing Quality
HEREFORDS*



ENTRANCE TO RANCH - 7 MILES EAST AND 1 MILE NORTH OF SULPHUR - STATE HWYS 7 & 12

TURNER RANCH - SULPHUR, OKLAHOMA

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Administration Building, Texas Technological College, Lubbock, Texas.
(Photo by Bill Weeks, Instructor of Photography, Texas Tech.)

TEXAS TECHNOLOGICAL COLLEGE

AN EDUCATION miracle has occurred on 2,000 acres at the west edge of Lubbock, Texas. This area comprises the 300-acre campus and surrounding agricultural lands of Texas Technological College.

Vast changes have transformed the raw landscape of 1925-26, the year Tech began serving West Texas. Instead of barren plains, the campus is now an area of green with a rich supply of grass, trees and shrubs.

The sometimes muddy and sometimes dusty dirt paths are gone. They have been replaced by paved roads and hard-top parking areas.

It wasn't an easy job to bring about these changes. Many of them didn't come until the administration of Dr. D. M. Wiggins, Tech's fifth president.

The South Plains area does not receive an abundance of rainfall. So the college has done something about that. It drilled its own wells and provided a vast sprinkling system which functions nearly all year. That moisture is responsible for the verdure which beautifully frames the permanent campus buildings that follow the Spanish Renaissance motif.

More than \$5,000,000 in new permanent buildings either are being completed or are under contract. The latest of these buildings is the \$500,000-plus Student Union building. Construction is scheduled to begin early this spring.

Other new construction includes two wings on the Administration building, the Science building, Agricultural Engineering building, Greenhouses, Petroleum Engineering building, an addition doubling the capacity of the Home Economics building, and a Music building.

Permanent buildings now on the campus include space for the Administration, Home Economics, Journalism, Library, Museum, Chemistry, Agriculture, Engineering, Textile Engineering and Utilities.

Other campus structures include the gymnasium, agriculture pavilion, bookstore, eight dormitories, extension division, practice home, speech Jones stadium and a number of temporary buildings.

PRESIDENT D. M. WIGGINS

Dr. Dannie Marion Wiggins, fifth president of Texas Technological College was inaugurated May 10, 1949.

He is a native of Crowley, La., but his parents moved to Texas during his early years and he completed his grade and high school work at Comanche, Texas. He graduated from Goodnight College in 1917.

Dr. Wiggins married Miss Winnie Kinard at Memphis, Texas, in 1918. He served at the Central Infantry Officers' Training School at Waco during World War I. Following the end of the war, he attended Simmons University (now Hardin-Simmons) at Abilene and received the B.A. degree in 1919. He then served at Vernon High School as principal-coach. The next year he returned to Comanche as principal-coach, and two years later became superintendent of schools.

During the years 1925-1930 he received the M.A. degree at Yale, did graduate work at the University of Chicago and returned to Yale for his Ph.D. degree.

From 1926 until 1935, Dr. Wiggins was associated with Hardin-Simmons University as a professor of education and dean of students. In 1943 he returned there for his LL.D. degree.

Dr. Wiggins was made president of Texas College of Mines and Metallurgy (now Texas Western College) at El Paso in 1935. He remained there until he became president of Texas Technological College.

He is a member of the Baptist Church, Rotary Club, National Educational Association, Texas State Teachers Association, Phi Delta Kappa, Kappa Delta Pi, and is listed in "Who's Who in America" and Biographical Encyclopedia of the World.



VICE PRESIDENT E. H. JONES

Dr. Edward Hinton Jones, a native of Downs, Kan., has spent all of his professional life in Texas. He received his bachelor of science degree from Ottawa University in Kansas, his doctor of philosophy degree from the University of Ottawa, and his LL.D. degree from Ottawa.

From 1925 to 1932 he was head of the biology department at Baylor University; from 1933 to 1942 was head of the biology department there, also serving as dean of Arts and Sciences from 1935 to 1939 and dean of the university from 1939 to 1942. He served as president of Texas A. & M. from 1942 to 1948, when he came to Texas Tech.



W. L. Stengel

Dean of Agriculture

W. L. Stengel was born at McGregor, Wis. He graduated from North Side High School in Fort Worth in 1916.

He received a B.S. degree with an animal husbandry major from Texas A. & M. in 1919 and an M.S. degree from Missouri University in 1926.

Stengel is a member of Tech's original faculty. He came to Tech in 1925 as head of the animal husbandry department. He had previously served in the animal husbandry department at Texas A. & M.

In September, 1945, he was made Dean of Agriculture. Dean Stengel is widely known throughout the South as a livestock judge.

Miss Margaret Watson Weeks,
Dean of the Home Economics Division

Miss Margaret Watson Weeks is also a member of the original faculty that founded the college in 1925. She was born in Dartmouth, Nova Scotia, Canada, where she attended high school and one year of college.

Miss Weeks spent three years as an undergraduate of the Teachers' College, Columbia University, where she received her B.S. and M.S. degrees. She began teaching in the Houston school system after receiving her M.S. degree and later taught at Louisiana State Normal College and then returned to Houston.

When Texas Tech opened in 1925, Dean Weeks was named professor of foods and nutrition, head of the home management department and Dean of the Home Economics Division.

George Gail Heather,
Dean of Business Administration

George Gail Heather was born in LaPlata, Mo., and received his B.S. from Southwest Missouri State College in 1934, his M.A. from the University of Iowa in 1942 and his Ph.D. from the same school in 1946.

Heather was commercial teacher and coach at Cincinnati (Iowa) High School, 1934-39; commercial teacher at Estevan High School in St. Louis from 1939-42; instructor at University of Iowa 1942-45 and assistant professor of economics and business administration at Fort Hays (Kan.) State College in 1946; associate professor of economics and director of the business administration curriculum at the University of Denver during 1946-47; and chairman of the department of commerce until he came to Texas Tech as Dean of the Business Administration Division on January 15, 1950.

Twenty-five years ago, the college was established and started functioning. The Thirty-Eighth Legislature of the State of Texas made this possible by passing a bill in 1923, designating Texas Tech as a co-educational institution of a senior class. Enrollment the first year, including the long and summer sessions, was 1,279 students.

Tech has grown by leaps and bounds since then, reaching a peak enrollment of 6,750 students in the 1948-49 long session and 3,189 in the summer session. Also included in these figures must go the 3,006 persons enrolled in Tech's Extension Division founded during the 1927-28 year.

That makes a total of 12,845 students which Tech was able to serve in 1948-49. Present planning calls for an equally large mushrooming of students and facilities during Tech's second 25 years.

Faculty members, who numbered only a few in 1925, have increased to nearly 400. And with this increase has come a tremendous enlargement of subjects and curricula open to students.

Tech now has five undergraduate divisions, Agriculture, Arts and Sciences, Business Administration, Engineering and Home Economics. There also are divisions of Graduate Studies, Extension, and the air and ground forces Reserve Officer Training Corps.

Research programs are included in Tech's overall program. In cooperation with Texas A. & M. and the University of Texas, Tech maintains a cotton research staff which studies the fiber problems of the industry.

Tech is completing the celebration of its Silver Anniversary program. Many famous figures have come to the campus to help students and former students review the past achievements and to plan future goals.

The college is proud of several special facilities, the Student Health Service, a library with thousands of volumes, the Bookstore, an architect and construction supervisor, a placement service and a recreation hall.

Tech is a member of the Border Athletic Conference and participates in football, basketball, track, tennis and intercollegiate rodeos. The campus newspaper, Toreador, and yearbook, *La Ventana*, are produced by students and the Texas Tech Press.

Tech is governed by a nine-member Board of Directors. The Directors are appointed for six-year terms by the Governor of Texas with the approval of the Texas State Senate. These men include leaders in the fields of agriculture, petroleum and business.

The immediate regulations and direction of academic affairs are delegated by the Board of Directors to the President, administrative officers, and faculty.

Tech is located some 200 miles from the northern line of the Panhandle and 400 miles northwest of Austin. The elevation is 3,200 feet above sea level.

Lubbock citizens refer to their city as "The Hub of the Plains."

Scores of scholarships are available. These funds help many students secure an education who would otherwise be unable to attend college. The scholarships are available in all five undergraduate divisions of the college. Some are general in scope, others apply only to certain fields. The administration work constantly to widen the scope of the scholarships and to make more funds available for promising candidates.

Although Texas Tech is a state-supported institution, much of its revenue comes from other sources, such as scholarships donated by private citizens, bequests and others.

A number of college-operated loan funds are available to students to help pay school expenses. Some of the funds are small and pertain only to certain groups of students, while others are open to all students. These are loan funds and the students pay back the money and at the same time learn certain principles applicable to any business loan.

Over 100 student organizations and clubs are in operation on the campus. They are roughly divided into categories of honorary and professional, service and religious, and social groups. The great majority of them fall into the categories of honorary, professional and departmental organizations.

Texas Tech is justly proud of its eight dormitories which house a total of some 3,000 students. Completely modern throughout, these dormitories are the finest in the Southwest.

Complementing the physical facilities of the dormitories is the counseling system which is headed by the Dean of Student Life. Under his supervision are the offices of the Dean of Men and the Dean of Women.

Each dorm has a supervisor, usually of graduate status, who has the educational background and the experience necessary for counseling. The next echelon is the wing adviser, an upperclassman. Each dormitory has several wings, each with its adviser. The adviser has no administrative duties, but as the name implies, acts as an adviser or "big brother" or "big sister" to underclassmen.

Dormitory meals are prepared from a master schedule made by the college dietitian. Fare is nourishing and appealing, and mass production permits the charge to the student to be kept to a minimum.

Although the five undergraduate divisions are separated in subject matter, they have been integrated so as to permit a student to secure a broad education. An agriculture student, for instance, is permitted electives in other divisions.

All five divisions—Agriculture, Arts and Sciences, Business Administration, Engineering and Home Economics—list as their objectives:

1. Technical instruction in the various majors chosen by the students.

(Continued on Page 38)



James G. Allen,
Dean of Student Life

James G. Allen received his B.A. degree in English from Southern Methodist University in 1924 and his M.A. degree from Harvard University in 1927.

He was named associate professor of English at Texas Tech in 1931 and served as a specialist in the origin and development of the English novel until he was made Dean of Men in 1937.

Dean Allen was named Dean of Student Life at Texas Tech in 1950. In this capacity he supervises the non-academic life of the students, plans recreation activities, oversees the operation of the dormitories and coordinates the work of the Dean of Men and Dean of Women.



Dysart Edgar Holcomb,
Dean of Engineering

Dysart Edgar Holcomb is the first Tech graduate to return to the college in the capacity of dean of a division.

Dr. Holcomb, a 1937 Tech graduate, received his M.A. and Ph.D. in chemistry from the University of Michigan.

He then went to work in the research and development department of the World Universal Oil Products Company in Chicago. In 1946 Holcomb returned to a college campus, this time as associate professor of chemical engineering of Purdue University.

He was born at Wellington, Texas.



Robert Cabaniss Goodwin,
Dean of Arts and Sciences

Robert Cabaniss Goodwin was born at Brownwood, Texas. He received his B.A. degree from Howard Payne College in 1917, his M.A. from Texas University in 1923 and his Ph.D. from Harvard University in 1928.

From 1928-30 Goodwin was assistant professor of chemistry at Florida University. He came to Texas Tech in 1930 as head of the chemistry department and served as Dean of the Graduate Division from 1938-45. In 1945 he was named Dean of the Division of Arts and Sciences. During World War I Goodwin was a scientist in the U. S. N. R. F.



William Bryan Gates,
Dean of Graduate Studies

Dr. Gates was also an original faculty member of Texas Tech when it opened in 1935. Dean Gates advanced from associate professor of English to professor and then served three years as assistant dean of arts and sciences. In 1947 he was made head of the English department.

Dean Gates went to Texas Christian University in 1946 but returned to Texas Tech in 1948, when he accepted a position as professor of English. He was made Dean of Graduate studies in 1950. He holds a Ph.D. degree from the University of Pennsylvania.

TEXAS TECHNOLOGICAL COLLEGE
LUBBOCK, TEXAS
April 6, 1951

Office of the President

Mr. Henry Biederman, Editor
THE CATTLEMEN
410 East Weatherford Street
Fort Worth 2, Texas

Dear Mr. Biederman:

The dedication of the May, 1951 issue of THE CATTLEMEN to Texas Technological College constitutes a distinct honor. We are particularly pleased to be honored by THE CATTLEMEN because we recognize the great part that cattlemen have played in the development of the Southwest and its institutions.

Texas Technological College, though very youthful, is proud to have had a part in the swift development of the Southwest. By touching in a meaningful manner the lives of young men and young women from all parts of the State, Texas Technological College hopes to influence the moral, social and economic life of this great area. Through its services distinct contributions are being made to the scientific and technological phases of our society.

During this year Texas Technological College pauses to look back upon twenty-five years of service. This pause makes possible to emphasize the necessity of assuming the obligations of service through the years that lie ahead. The devotion and confidence of the thousands of friends of the College are all a part of its achievement.

Very sincerely,



D. M. Wiggins
President

DMW:6

Texas Tech Board of Directors

HISTORY was in the making in 1923 when Texas Tech's first Board of Directors met in Sweetwater, Texas. The Texas Legislature had just passed the law setting up Tech as a coeducational college of senior class.

But many questions were undecided. The first board named Amon Carter, Fort Worth publisher, chairman. He sacrificed his time and means to give Texas Tech its initial impetus which has carried through to the present time.

The first board met at Sweetwater with then Gov. Pat Neff to organize. Other officers named were R. A. Underwood, vice chairman; Clifford B. Jones, treasurer, and Claude Meadows, San Angelo, secretary.

Other members of the first board were Mrs. F. N. Drane, Corsicana; Mrs. Charles DeGroff, El Paso; J. W. Carpenter, Fort Worth, and former governor W. P. Hobby, and J. E. Nunn, Amarillo.

Funds to set up Texas Tech were of prime importance. Carter and Jones made a personal appeal to the Texas Legislature, and through their intercession, Tech's first budget was set up.

One of the biggest problems was the selection of a site for the new college. Every town in the West Texas area was bidding for the prize. However, when Lubbock finally was chosen, the other competitors joined in congratulating the winner.

Texas Tech has been indeed fortunate that each successive board down through the years has been of such high caliber as to permit the relatively young college to make an outstanding contribution in the field of education.

Each board has made a splendid contribution to both the college and to the state.

Probably one of the greatest contributions and one in which foresight played such an important part was the action of the board in 1932.

At that time the board came upon evidence of the start of subversive activities at the college. The board immediately acted to free Tech of this taint of malignancy and did such a thorough job of stamping out the evil that Tech has become famous throughout the nation as a stronghold in maintaining the American way of life.

Each successive board has maintained constant vigilance that the American way is the only way at Texas Tech. Consequently Tech has prospered, under the same system that has permitted this country to prosper to such an amazing extent.

Forty-six leading citizens of Texas have served on the Board of Directors. They have been chosen from outstanding persons in the professions, industry, utilities, railroads, petroleum, business and agricultural interests.

(Continued on Page 38)

Charles C. Thompson,
Colorado City, Chairman.



Thomas F. Abbott, Jr.,
(left) Fort Worth.



George E. Benson,
(right) Lubbock.



Leon Ince, (left) Houston.



C. T. McLaughlin,
(right) Snyder.



Raymond Pfluger,
(left) Eden.



Robert B. Price, (right)
El Paso.

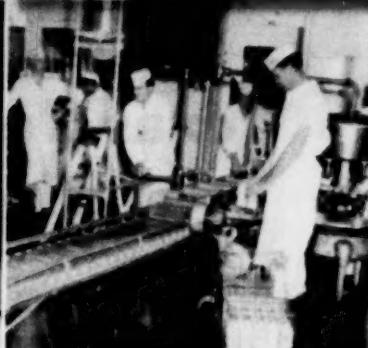


Chandler E. Weymouth,
(left) Amarillo, vice
chairman.



Charles W. Wooldridge,
(right) Dallas.





Lower left. This class receives instruction in beef cattle judging.

Upper left. A group of students receiving instruction in dairy cattle judging.

Above. Texas Tech had the champion International Collegiate Livestock Judging Team in 1934 at the International Stock Show, Chicago. They are shown above, left to right: R. C. Mowers, Coach; W. L. Stangel, new Dean of Agriculture; Homer Bramley, Harry Elder, Secretary of Texas Hereford Association; J. P. Smith, Casper Fine, now Professor of Animal Husbandry and Assistant Dean of Agriculture of Texas Tech; Lawrence Shipman; Herbert Davis; Bradford Knapp, former President, Texas Tech; A. H. Ledingham, former Dean of Division of Agriculture.

Upper right. Class in dairy manufacturing.



Lower right. Mechanical cotton picker at Tech.

DIVISION OF AGRICULTURE AT TEXAS TECH

Technical courses in all phases of farming qualify students to assume responsible positions or take over ranch

By W. L. STANGEL

BASICALLY the purpose of the Division of Agriculture is to assist students toward the realization of positions of responsibility in a democracy. The goal of the Division of Agriculture is no different in that respect from the college as a whole.

The best citizen is one who is self-supporting and engaged in useful work which is pleasing to him. Toward that end the Division of Agriculture strives to maintain the facilities and personnel needed to provide technical education for the great reservoir of young men and women of the Southwest whose background and interests are primarily agriculture.

In the first two years of college all agricultural students follow a definite course of study which includes survey courses in most of the various subject matter departments which are: Agricultural economics, agricultural education, agricultural engineering, agronomy, animal husbandry, dairy manufacture and horticulture and park management.

The uniform requirements for freshman and sophomore students also include basic courses in biology and chem-

istry, which are fundamental to an understanding of agriculture, and courses in English and mathematics. While following the first two years' work, the student becomes familiar with the courses of instruction and can decide upon his major field of specialization.

If a student chooses to major in agricultural economics, he will take courses in marketing agricultural products, prices and forecasting, land economics, agricultural statistics, farm management, and farm records and accounts.

The student majoring in agricultural education follows a broad course of study which includes technical courses in all phases of agriculture. In addition, he is instructed in the organization and administration of vocational agriculture. Future Farmer activities, and methods of teaching vocational agriculture. The agricultural education curriculum qualifies the prospective teacher of vocational agriculture to teach under the Federal Vocational Education (Smith-Hughes) Act.

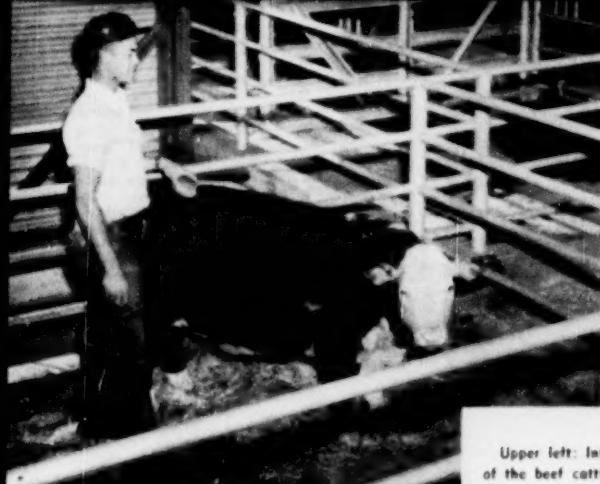
The student majoring in agricultural engineering has an opportunity to be-

come proficient in the care and use of tools, forging, welding, pipe fitting, electric wiring, and painting. He receives instruction in the operation and repair of gasoline engines and farm machinery. Courses in terrace location and construction, design and layout of irrigation systems, and land mapping and measurement are also available.

Due to the tremendous increase in the last few years in the use of various types of farm machinery involved in mechanized farming, considerable emphasis is being placed on the agricultural engineering work. Rural electrification, irrigation, and the diversification of farming which has accompanied the development of irrigation, have all multiplied farm engineering problems and the types of farm machinery to be used. A new agricultural engineering building, now under construction, will allow considerable development in this important phase of agriculture.

Agronomy students are given special work in forage, grain, and pasture crops, range plants, and cotton and other fiber crops. Courses in soil chemistry,

(Continued on Page 20)



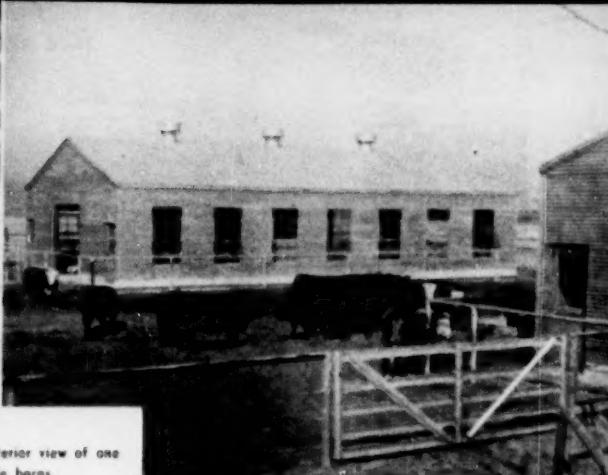
Upper left: Interior view of one of the beef cattle barns.



Upper right: One of the beef cattle barns in use at Texas Tech today.

Lower left: This group of steers won first place at the Southwestern Exposition and Fat Stock Show in 1940.

Lower right: Another winning group of steers fed at Texas Tech. These two groups prove that cattle can be raised and finished in the Southwest.



BEEF CATTLE HERDS AT TEXAS TECH

Agricultural students afforded opportunity to learn how to work with livestock through actual experience at school

TEXAS Tech maintains two breeds of beef cattle for instructional purposes. The cattle are used in livestock judging courses, required of all agricultural students, in specialized training of livestock judging teams, in laboratory work and demonstrations in the feeding and management of cattle, and in feeding and grazing experiments.

The oldest herd, the Hereford, was founded mostly by gifts of breeding females. The college was befriended in the early days when budget limitations made it most difficult to establish herds and flocks. The early donors of Hereford breeding females were John M. Gist, Midland; George M. Boles, Lubbock; R. V. Colbert, Stamford; Tom C. Ivey, Hereford; D. L. McDonald and son, Hereford; J. C. McNeill, Spur; F. A. Mitchell and son, Marfa, and W. T. Montgomery, San Antonio.

The first Hereford herd sire was Bright Diamond 1639737, which was purchased in 1928 from Tom C. Ivey, Hereford, Texas. Bright Diamond was sired by Superior Diamond 129174. Following Bright Diamond as herd sire were a son, grandson, and a great-grandson, in succession.

In 1939 the bull Diamond M. Tone 2984823 was donated to the college by C. T. McLaughlin of Snyder, Texas. Mr. McLaughlin is now a member of the Board of Directors of Texas Technological College. Soon after Diamond M. Tone came into the herd, the college also began to use Tech Domino 3429204. Tech Domino was originally secured as a result of breeding the college-owned cow, Modesty 26th 1858239, to the Largent bull, Publican Domino 10th 2051839. Thus, through the courtesy of Mr. W. J. Largent, some of the blood of his famous bull was introduced into the college herd.

Following the McLaughlin bull and Tech Domino in the herd was Monty Rupert 174th 4073931, purchased in 1945 from W. T. Montgomery of San Antonio, Texas. Later the bull Mill Iron 438th 4358029 was given to the college by Lafayette M. Hughes, trustee for the Mill Iron Ranch, Wellington, Texas. The herd sires in use at the present time are Carlos Domino Anxiety 2764781, donated to the college by Combs and Worley, Pampa, Texas, and Texas Domino W. 7th 4999861, leased to the college by T. R. Applewhite, Hale Center, Texas.

From the foundation cattle, largely provided through the generosity of cattlemen friends, the college has developed a Hereford herd which now numbers approximately 90 head. Besides being invaluable for instruction, the herd is treasured because of the fact that it descended from the herds of some of Texas' greatest cattlemen.

The Aberdeen-Angus herd was founded in 1928 with the purchase of six young females and the bull Blackster 2nd of Tierra Alta 424048, from Sam H. Hill and son, Tierra Alta, Texas. Most of the Aberdeen-Angus, approximately 60 head, in the herd today trace to two of the six foundation females.

Succeeding herd sires have come from the herds of Sam H. Hill and Son, Tierra Alta, Texas; Congdon and Battles, Yankima, Wash.; O. V. Battles, Maquoketa, Iowa; Ernest Peters, Rushville, Ill.; Willow Plantation, Marigold, Miss.; G. M. Newsom, Brownfield, Texas; George F. Curtis, Forrest, N. M.; and Elmer J. Meyer, Garnavillo, Iowa.

The present herd sires are Gillacles Invader 828113, purchased from Felix and Mary Stivers, Fort Worth, and Elboric 686704, donated to the college by Mr. C. T. McLaughlin, Snyder, Texas.



First Livestock Feeders Day at Texas Tech June 16, 1933

Livestock Research at Texas Tech

THE primary aim, around which has centered the livestock research program at Texas Tech, is the utilization of West Texas feeds in the production of fat cattle and lambs. Prior to 1930, when the large Plains ranches were being broken up and placed into cultivation, farmers began to plant two main crops, namely, cotton and the grain sorghums. The natural consequences of the development of a new area was that large acreages were planted to cotton and grain sorghums. Then there arose the problem of how best to market great quantities of grain, roughage, and cottonseed products.

In 1932, Texas Technological College began a series of cattle feeding trials to determine the best way to utilize the roughages and silages produced from sorghums, the best ways to feed the grain produced, and the best types and amounts of cottonseed by products for fattening cattle. In the first trial, begun in 1932, 40 yearling steers, averaging 780 pounds initial weight, were fed 147 days to compare cottonseed cake and whole cottonseed as sources of protein and to compare the self-feeding and hand feeding of milo heads. At the conclusion of the trial the steers weighed slightly in excess of 1,050 pounds and sold at Fort Worth for \$5.75 per cwt. Even at such a low price, the steers returned a net profit ranging from \$9.57 to \$11.65 per head, which did not include the hog return per steer. This trial successfully demonstrated that home-grown West Texas feeds supplemented with by-product feeds from cotton farming, could be used with profit in producing beef, even when low prices prevail.

With the exception of four years, cattle feeding trials have been carried on every year since 1932. Several of the projects have been conducted cooperatively with the Agricultural Experiment Station of the A. and M. College of Texas. The projects have been materially assisted by the establishment of

graduate fellowships by the Texas Cottonseed Crushers' Association. Up to the present time, six graduate students have held such fellowships. In assisting in the conduct of the feeding trials, the graduate students accumulated data which provided the basis for their Masters' theses.

This year (1950-51) the eighteenth cattle feeding project is under way on the college farm. The purpose of this year's project is to determine the relative values of three kinds of cottonseed meal for fattening yearling steers. Sixty yearling steers are being fed in dry-lot. Two lots of steers, 10 steers per lot, are receiving hydraulic cottonseed meal. The average daily gains per head in these two lots were 2.44 and 2.35 pounds up to March 3, 1951, which concluded the first 84 days of the trial. The next two lots of steers are being fed raw solvent cottonseed meal and their average daily gains per head were 2.38 and 2.43 pounds. The remaining two lots receive cooked solvent cottonseed meal and their average daily gains for the first 44 days were 2.37 and 2.19 pounds per head. It is planned that the steers will be fed for 140 days. A Cattle Feeders' Day will then be held on the campus and the complete results will be explained.

In addition to the cattle feeding projects, a series of lamb feeding projects have also been carried out. As in the case of some of the cattle feeding projects, some of the lamb feeding work has been done in cooperation with the A. and M. College of Texas.

Lamb feeding trials were begun in 1929. The first trial was to determine how to prevent losses from urinary calculi, commonly called "water belly", which had been causing excessive losses among lambs being fed on grain sorghum roughages in the Lubbock area. After three years of study of the problem, it was found that ground limestone, fed at the rate of four-tenths of an ounce per head daily, would large-

ly eliminate death losses from urinary calculi.

During the time of the feeding to correct urinary calculi and in the years following, extensive experiments were conducted to determine the feeding value of locally-grown feeds. These tests demonstrated that sumac sorghum fodder or silage, kafr fodder or silage and hegari fodder or silage, when properly supplemented with cottonseed meal and when fed with milo as a grain, made gains and carcass quality which compared favorably with the gains and carcass produced when alfalfa hay was the only roughage.

Many farmers raised the question that the experimental work done at the college was with lambs having access to an open shed while most farm operations were in open lots. The farmers wished to know if the feeding of lambs in an open shed increased the efficiency enough that it was profitable. In 1940, an experiment was set up to make this study, and after three years of tests it was determined that lambs fed in a pen with access to an open shed gained five per cent faster and used five per cent less feed to produce one hundred pounds of gain than did those lambs in open lots.

In more recent years, and with the development of combine types of grain sorghums, farmers became interested in a plan whereby these grain sorghums might be harvested with lambs. The college initiated a study which involved giving the lambs free access to the grain field plus three-fourths pound of alfalfa hay per lamb daily. Dry land Plainman milo, yielding sixteen hundred pounds of grain per acre, produced four hundred pounds of lamb gain per acre. In addition, nine hundred pounds of alfalfa hay per acre was required to produce this gain. The amounts of grain and alfalfa hay per 100 pounds of gain was computed to be 400 pounds and 225 pounds, respectively. While death losses were prevented, considerable digestive disorders occurred and efforts are now being made to perfect a system of supplemental feeding that will make harvesting grain sorghums with lambs more profitable. The feeding of a small quantity of cottonseed hulls, the addition of a small quantity of cottonseed meal, and the chopping of stemmy alfalfa hay are showing some promise at the present time as remedial measures for the digestive disorders.

Another field of research at Texas Tech involves a series of studies on wheat poisoning which have been underway for several years. The research is being carried out on a cooperative basis by staff members of the chemistry and animal husbandry departments. Dr. Joe Dennis, head of the chemistry department, and Dr. F. G. Harbaugh, the college veterinarian, and their graduate students have made a series of studies to determine the ultimate cause of wheat poisoning in cattle and at the same time to gain additional information on the fundamental problem of nerve conduction. These workers have demonstrated that the symptoms of hyperirritability and tetany, which are often observed in cattle grazing wheat pasture, appear when the ratio of blood potassium to blood calcium becomes sufficiently high.

The potassium content of wheat pas-
(Continued on Page 29)



Bugbee painting one of his most recent works—"The Slick Ear."

Harold Bugbee—Cowboy Artist

By MARY WHATLEY CLARKE

WHEN you stand before a Remington, a Russell or a Dunton picture of the old West, you're moved to exclaim, "what wonderful cowboy artists they were!" But when you stand before a Harold Bugbee drawing of the West of the past and the wide-awake West of today, you enthuse, "what a wonderful cowboy artist he is!"

For Bugbee is very much alive, a cowboy in the flesh; tall, handsome, wearing a broad brim Stetson, close fitting trousers, open-necked shirt, scuffed brown boots, black hair and friendly, probing hazel eyes. His soft voice, warm with interest, can't be called a Texas drawl. In all other ways he's as Texas as the hardy mesquite. He was born in Lexington, Massachusetts, and his speech retains its Boston flavor even though he's been a Texas cowboy over thirty years.

The great out-of-doors is Bugbee's studio and he makes his sketches from life. No cowman of the old school could find a flaw in his work. His cowboy knowledge has served him well. The twirl of a rope, the action of a horse, the movement of a cow, are true to life. "There's no such thing as sketching a bucking bronc. Its movements are too quick to be caught by pen or brush. The only way to get the feel of a bronc is to ride one," he explained.

After sketching his pictures from the

living model he finishes them in his "work shop," a studio in the basement of his parents' ranch home two miles from Clarendon.

"My shop is just a cluttered place where I can settle down, relax and work," Bugbee tells you. But friends love nothing better than to browse about this fascinating room where they find deer and elk antlers of all sizes, dozens of guns, one a Sharp 40-calibre buffalo model, a Sioux Indian headdress, brand-

ing irons, saddles, spurs, and endless oil and pencil sketches. It is a man's room, full of cherished souvenirs, each with a history of its own. It is easy to see why Bugbee loves the place and can do his best work there.

Born Harold Dow Bugbee in Lexington, Massachusetts, in 1900, he commenced a dream in his early teens, of moving to Texas and being a cowboy. "I knew in my heart that some day I would live in Texas," he recalls, "and I practiced roping and riding during my spare time on our farm near Lexington. When we did move to Texas I wasn't exactly a tenderfoot."

T. S. Bugbee, prominent early-day cowboy of the Panhandle country, finally persuaded Harold's parents, Mr. and Mrs. Charles H. Bugbee, to move to Texas. T. S. and Charles Bugbee's fathers were first cousins. In 1914 this jovial ranchman visited their home in Massachusetts, and his love and tales of Texas kindled a warmth in their hearts, exaggerated no little by young Harold's burning wish to move to the cowboy state. As a result the New England farm was sold and the family moved.

Charles Bugbee bought a small ranch near Clarendon, Texas, and soon young Harold was a cowboy in earnest. He was taught by his cousin, T. S., and other

(Continued on Page 42)



Bugbee astride one of his favorite mounts.

KILL TICKS
FLIES
LICE
and other insects for

HEALTHIER LIVESTOCK



GREATER PROFITS
Use Du Pont
Livestock Spray
And Dip No. 30

Proved by over a million treatments
in one state alone in 1950

- **EFFECTIVE** Controls practically all of the insect pests of livestock.
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- **SAFE** Even on young animals.*
- **ECONOMICAL** Costs only a few cents per head to treat.

Also excellent for spraying barns* and farm premises.

Contains DDT and RHC specially combined to get the maximum benefit of both—whether used as spray or dip.

*For certain authorities see Du Pont Dairy Control Spray and Dip news. Use Du Pont Dairy Dip Instructions on each carton.



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THROUGH CHEMISTRY



DU PONT
**Screwworm
Smear 220**

**Proved and effective.
Safe, even on young stock.
Dependable, economical.
Stays mixed, light-colored.
Clean to use, heals quickly.
In 8oz., pints,
qts. and gals.**



BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

J. Arthur Stultz, Richardson farmer, left, and Dr. C. L. Lundell, director of the Texas Research Foundation, examining a stand of virgin bluegrass. — Dallas News photo.



Better Grass for More Beef

By WAYNE GARD

COWMEN who want to get more beef from their pastures are keeping an eye on what a group of scientists are doing on the northern outskirts of Dallas. These scientists are developing grasses that will provide green pastures the year-round. They are concocting fertilizers that promise more and juicier roasts and steaks.

Last fall the Texas Research Foundation at Renner set aside 230 of its more than 400 acres for practical grazing tests. To check the carrying capacity of various grasses, it brought in twenty-five steers—fifteen Herefords and ten Santa Gertrudis. In spite of a dry winter, they have been thriving on grass alone. More cattle will be put on the land next fall. The foundation measures the results of its experiments in grasses, legumes, fertilizers, and management in terms of beef produced per acre.

The test pastures, which many cattle raisers inspected at the time of the Dallas convention in March, are intended to show that grazing can be profitable even in sticky blacklands worn out from growing cotton for half a century. They are being used to check many kinds of grasses and legumes and to show the effects of various fertilizers. Other tests are in progress on ranches and farms in many sections of Texas. The findings will be useful to stockmen over the whole Southwest.

"Our entire program is centered about the cattle industry," Dr. C. L. Lundell, director of the foundation, said recently. "In addition to our work with grasses and legumes, we are developing new corn hybrids for feed and new oilseed crops for protein supplements. In time, there should be no need to ship Texas cattle north for feeding. They can be finished here."

Dr. Lundell is confident that blackland cattlemen can benefit by putting in grass as a crop on their better soil instead of merely using it to cover waste land. "Farmer-stockmen can cut production costs by retiring a lot of row-crop land and thereby cutting down on labor expense. They can increase their income

and build up the fertility of their soil. In West Texas, where rainfall is less, grass is the most dependable crop, as well as the most versatile."

The foundation has fifteen test pastures projected—eight for cool-season grasses and seven for warm-season varieties. In addition, it has a holding lot and two corrals. Before building the corrals, Dr. Lundell visited the King Ranch in South Texas, Charles Pettit's Flat Top layout at Walnut Springs, and J. S. Bridwell's Hereford ranches near Wichita Falls. He had the corrals built of pitted second-hand oil-field pipe.

"We don't intend to feed any of our cattle with cake or grain," he explained. "Our intent is to finish them entirely with grass. The improved grasses and legumes we're using should make this feasible. The cool-season grasses will be grazed from November through June and the warm-season perennials from May through November. It will be possible to keep the cattle on grass twelve months of the year."

Last year the foundation planted seventy additional acres in cool-season grass mixtures, making a total of 120 acres. These were southern smooth bromes, orchard grass, and alta fescue. With them were planted two winter legumes—button clover and black medic. These cool-season grasses run high in protein content and nutritive value and have more body than has winter grain. In the peak growth in May, they make first-rate hay.

This spring the grass scientists are planting another seventy acres in a mixture of warm-season grasses. This consists of King Ranch bluestem, dallis grass, Blackwell switch grass, and improved strains of side-oat grama. The legumes in this mixture are Madrid sweet clover, button clover, and black medic. The pastures are protected from grazing until the grass has attained a strong stand.

The foundation makes up for mineral deficiencies in the soil by applying fertilizers. The lack of the right minerals in the blacklands, said Dr. Lundell, has

-each blade of grass can bring extra cash



Here's how to make your range give you more "Stick-to-the-Ribs" feeding value

"We could get a lot more beef out of grass than we do—and extra beef is extra profits. They say only about 25% of the grass cattle eat really sticks to the ribs—becomes beef. That means about 75% is wasted."

"Now, here's how I reclaim some of that 'wasted' 75% and make good, profitable beef out of it. I keep plenty of good minerals—complete minerals—before my cattle all the time. It's just plain, common sense that the minerals which help digestion...help turn grass into bone and tissue...help cows turn grass into milk...is going to use some of that 75%. It's one way to make one blade of grass do more than it has ever done before."

"And I feed MoorMan's Minerals for Range Cattle because it's made especially for cattle on the

range. Not for hogs or horses, or even milk cows. But with the 12 base and trace minerals range cattle need. Seems to me that Moor-Man's gets me more beef than any mineral I've ever fed...gets me stronger, thrifter calves...better conditioned herds...and it's just about stopped breeding and calving troubles."

2 Convenient Forms

MoorMan's Minerals for Range Cattle comes in two forms to make feeding easier and more economical—Handy-to-Handle Blocks, and Waste-Reducing Granules which "stay put."

Available in carload or smaller lots. Special guaranteed prices quoted on contracts of 50, 100, 500 or 1,000-ton lots—1 year to complete contract. See your Moor-Man Man about special carload prices, or write, wire or phone Moorman Mfg. Co., Dept. B1-S Quincy, Ill.

Special Minerals for Alkali Areas

Moor-Man's Special Range Minerals (granular form) is designed for animals in alkali areas which get an abundance of salts or alkali salts in water or forage. It is especially designed for proper consumption under such conditions. Preferred by ranchers in alkali areas where the animal's natural desire for regular minerals is often reduced.



MoorMan's

(SINCE 1885)

Makers of Protein and Mineral Concentrates Farmers and Ranchers Need, But Cannot Raise or Process on Farm or Ranch



After spraying with Esteron 245—mesquite dead; grass encouraged, cattle visible.

NOW—you can fight MESQUITE ... and WIN!

You can tackle mesquite with axe, root plow, or even the bulldozer—but the battle is never won. Mesquite comes back for more—taking over valuable range land, crowding out forage grasses, hiding cattle from view in its dense, thorny thickets.

But today—chemical control of mesquite is a proved fact. Results of more than 20 tests run by the Texas Experiment Station in 1950 demonstrated conclusively that Esteron 245 will kill mesquite in addition to many range weeds. Spraying mesquite with Esteron 245 (containing low-volatility esters of 2,4,5-T) can save you time and labor, increase the carrying capacity of your range and give you more animal production per section. Esteron 245 is adaptable to foliage application, basal bark spraying and stump treatment. Applied by airplane, ground equipment or knapsack sprayers, it gets better results at lower cost than hand or mechanical methods.

Esteron Brush Killer (a mixture of low-volatility 2,4,5-T and 2,4-D esters) is used for the spraying of mixed stands of woody vegetation.

Your Dow dealer can give you the facts. Or write to Dow for Booklet IN-219 on "Mesquite Control."

ESTERON 245

Containing the new, low-volatility ESTERS of 2,4,5-T

Use Dependable

Dow Agricultural Chemical Products

- Wood, Brush and Grass Killers
- Insecticides
- Pesticides
- Plant Growth Regulators
- Grass and Soil Fungicides
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AGRICULTURAL CHEMICAL DIVISION

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN
HOUSTON, TEXAS



long held back stock farming on twenty-six million acres of Texas' best land. In preparing the seed beds for grass, the scientists used 400 pounds of superphosphate, 100 pounds of potash, and 200 pounds of ammonium sulphate to the acre.

"The super-phosphate and potash were applied to the surface and plowed in to a depth of six inches," Dr. Lundell reported. "The seed bed then was prepared in the same manner as for planting small grain. The grass seed was broadcast, then cultipacked with a corrugated roller that makes a shallow planting. Before the seed was planted, we applied the ammonium sulphate on the surface."

This practical demonstration, he added, will enable anyone to determine the cost of livestock farming in the blacklands. It also offers a means for restoring the fertility of the soil. It is expected to show blacklands ranchers and farmers how to put added millions of dollars in their pockets through increased beef production.

King Ranch bluestem, a grass so sturdy that it chases Johnson grass out of the pasture, is producing at the foundation gross yields of seed worth \$200 an acre. One of the outstanding warm-season perennials, it has quickly proved its value in the blacklands. "No row crop can approach its earning power in our depleted Texas soils," said Dr. Howard B. Sprague, head of the agricultural research division at the foundation.

Because of its excellent protein and phosphorous content, K-R bluestem makes excellent pasture. Its seed gives a lucrative cash crop. It also is a valuable aid in the rehabilitation of worn-out soils. This grass has been grown under a variety of conditions, ranging from depleted land covered with Johnson grass to row plantings under cultivation. Although it responds quickly to fertilizers, it is capable of survival and growth on poor soil. It goes through dry periods well. Its deep and extensive root system draws moisture from soil levels not reached by most grasses. It will grow almost anywhere in Texas.

"We have to get back to a grassland economy," declared Dr. Sprague. "We must find better grasses instead of looking for substitutes for them. Grass is our basic crop. The best use of this grass is for livestock, which harvests it without charge and converts it into something salable. The grazing animal never goes on a vacation or strikes for higher wages. Grass must come first. The stockman who buys cattle and then begins to worry about a feed supply is putting the cart before the horse."

"After we find the right grasses and legumes, we must have the most effective fertilizers for the particular soil and the best type of management. Our tests have shown that a properly fertilized pasture will produce 97 per cent more hay—or beef—per acre than one on the other side of the fence that is planted in the same grass but is left unfertilized."

Tests at the foundation have shown that grass is the most effective tonic for tired fields. "Land that has done time as a five-year perennial pasture will give startling increases in row-crop yields, even over clover lands," said Milo L. Cox, assistant ecologist. "That is because the land has been plowed only once, at the start of the five-year period. When the soil is not disturbed,

The Killer That Lurks For Years

"The Unhung Rustler"



featuring

"DOC" Veterinarian
at Hidden Valley



"DAN" Owner of
Roundup Ranch



"DANNY, Jr." A
Future Rancher



MURRY UP, DANNY. DOC'S JUST DIAGNOSED AN ANTHRAX OUTBREAK ON BILL HENRY'S PLACE. HE WANTS US TO GIVE HIM A HAND.

GEE, ANTHRAX—THAT'S BAD. WHAT ABOUT OUR HERO?



WE JUST GOT THROUGH VACCINATING FOR ANTHRAX. BUT WITH THIS BREAK AT BILL'S PLACE, WE'RE SURE GONNA KEEP A CLOSE EYE ON 'EM.

IS THIS THE FIRST TIME WE'VE HAD ANTHRAX AROUND HERE, DAD?



NO, DANNY. ABOUT 16 YEARS AGO ANTHRAX HIT BILL PRETTY HARD. WE HAD IT, TOO. ONCE YOU GET ANTHRAX IN A PASTURE YOU CAN'T GET RID OF IT. THAT'S WHY WE VACCINATE OUR HERD EVERY YEAR.

THERE'S LOTS TO DO. SO LET'S GET ORGANIZED. BILL, YOU PULL OFF THE HEALTHY ANIMALS FROM THIS PASTURE AND KEEP THE SICK ONES HOLED UP RIGHT WHERE THEY ARE SO THEY WON'T CONTAMINATE OTHER PASTURES.



HOW ABOUT TREATMENT OF THE SICK ONES, DOC?



I'LL GIVE THE SICK ONES A SHOT OF ANTI-ANTHRAX SERUM AND PENICILLIN. ON THE HEALTHY ANIMALS I'LL USE SERUM PLUS SPECIAL SPORE VACCINE NO. 4. THIS OUGHT TO GET THE OUTBREAK UNDER CONTROL.



I'LL TAKE CARE OF THE DEAD ONES.

POUR SOME OIL ON 'EM, DANNY. BEFORE YOU BURN 'EM IF THERE'S NOT ENOUGH WOOD AROUND FOR A FIRE BE SURE TO BURY 'EM DEEP.



LATER THAT DAY

TOO BAD THOSE COWS HAVE TO GO UP IN SMOKE BUT BILL MADE A NATURAL MISTAKE IN NOT VACCINATING THIS YEAR. HE HASN'T BEEN BOTHERED BY ANTHRAX IN A LONG TIME BUT WITH ANTHRAX ONCE A PASTURE IS CONTAMINATED THE SPORES ARE ALWAYS THERE TO CAUSE TROUBLE IN UNVACCINATED ANIMALS.



WHAT ABOUT OUR OWN HERDS, DOC?



DANNY, I KNOW YOU VACCINATED THREE WEEKS AGO. BUT THAT SWAMPY SECTION OF YOURS IS BAD. IT'D BE A GOOD IDEA TO GIVE CATTLE ON THAT PASTURE A BOOSTER DOSE OF NO. 4 SPECIAL. YOU FELLOWS WHO HAVEN'T VACCINATED BETTER GET AFTER IT PRONTO.

The vaccine used by Doc's clients for routine pre-season immunization against Anthrax is Charbonol®—Alhydrox® Cutter.

Charbonol is safe. It's released slowly by the Alhydrox principle which controls the slow release of the vaccine into the tissues, resulting in safer absorption of potent No. 4 spores by the animal's system and longer immunizing activity.

Charbonol is handy. It is administered in a single 2 cc. dose, thus requiring only one handling of the animal.

Play Safe...

USE CUTTER Charbonol

*Cutter Trade Mark for Aluminum Hydroxide

Cutter Laboratories supplies a complete range of biological products for the control of anthrax under varied conditions:

Immunization—Charbonol
Immunization During Outbreaks—Cutter Anti-anthrax Serum plus Special Spore Vaccine No. 4

Treatment—Cutter Anti-anthrax Serum plus Penicillin®

See Your Cutter Veterinary Supplier Now!

One of a series of educational strips prepared by Cutter Laboratories to help you to fight Anthrax.



The Hardy brothers of Thedford, Nebraska. These two sons of the patriarch of the big Nebraska sheepherder that newspaper head lines all over the country made famous with "Operation Hayloft."

Photo by George J. Thompson

"Our Cattle Were In The Hills When The Storm Struck"

"You remember that it was January, '49 when the big storm struck. Our cattle were in the hills. A number were marooned and had to be shoveled out. We didn't lose one animal during the storm, or one that could be blamed on the storm. We give Larro credit for bringing those cows through the storm to produce a strong calf crop."

Like many other Nebraska cattlemen that winter, the Hardy brothers of Thedford, Nebraska, feared how their cattle would come through the great January snowstorm. The losses in many herds were high... but not in the Hardy herd. Now let's listen to the rest of the Hardy story.

"Speaking of calving... we've had practically no trouble at all. Even after the extremely hard winter we had as good a per cent, and the best calf crop, that we've ever had.

"We've fed Larro and nothing else for six or seven years. We believe that the reason Larro is so satisfactory is that it is one cattle supplement that fills so many of the cattle's requirements.

"We haven't fed any minerals to speak of for several years. Another advantage to feeding Larro 32% cubes is that they make cattle handle easier. You can do more with a sack of Larro towards moving cattle where they don't want to go than you can with several saddle horses."

Place your order now for your complete supplement needs with your Larro dealer or Larro field representative. Be sure your Larro 32% Cubes will be where you need them... when you need them. The Hardy brothers will tell you it's good insurance against winter losses.

CS 2.50

General Mills

Larro
Farm-tested
CATTLE
SUPPLEMENT

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organic matter and humus accumulate and are held in reserve, like money in the bank. The spongy soil will drink in rain ten times faster than the packed soil of the row-crop field."

The foundation advises blackland farmers to start by putting only a small part of their acreage in perennial pasture. The farmer will need a broadcast seeder, a cultipacker, and a fertilizer distributor; but these machines are not expensive. Only one crop of hay will be grown in the first year. Yet in the five-year period the farmer will have a gain in income and will have added to the fertility and value of his land. If he puts his pastures back in row crops, on a rotation basis, he will find substantial increases in yields, Cox asserted.

Enlarged beef production to meet defense-spurred demands is one of the chief of many interests of the Texas Research Foundation, a privately supported non-profit agency. In its many fields and pastures and in its twenty laboratories, scientists are looking for new ways to rejuvenate worn-out soil. They are developing new crops for land retired from cotton. They are adapting oilseed crops and livestock feed crops to Texas conditions. They are working on problems whose solution may benefit many industries.

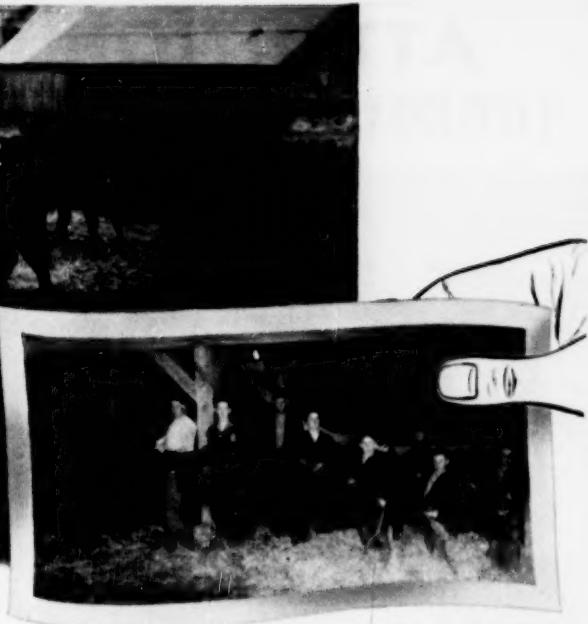
All this is being done without asking taxpayers for a red cent. The foundation is supported by foresighted Texans who realize that progress depends on a revitalized agriculture. It keeps at work fifty persons, including thirty top scientists. Most of the latter came from leading agricultural institutions. One came from the Carnegie Institution of Washington and one from the atomic energy laboratories at Oak Ridge.

The foundation is the outgrowth of an Institute of Technology and Plant Industry formed at Southern Methodist University in 1944. Two years later it was divorced from the university and given its present name. Its director from the start has been Dr. C. L. Lundell, an internationally known botanist who has been active in research since 1928. An SMU graduate, Lundell had been on the staffs of the University of Michigan and the Carnegie Institution of Washington. He is noted for his explorations and research in economic botany in Mexico and Central America.

Lundell has discovered more than five hundred new plants in his native Texas. Some of them are believed to have commercial value. Fellow botanists have named for him about a hundred other plants found in Texas and Mexico. As an ecologist, he is especially interested in studying soils with a view to finding the kind of plant life they will best support without becoming depleted.

Financial backing for the foundation has come from more than a thousand Texas citizens and business firms. Its foremost supporter and its president from the start has been Karl Hoblitzelle, head of a regional chain of motion picture theaters. On its board of trustees are the heads of some of the largest and oldest business and educational institutions in Texas.

The only agency of its kind in the country, the foundation is no duplicate of tax-supported experiment stations. It differs from the latter in several ways. It engages in basic research as well as in the practical application of scientific discoveries. It can move rapidly with-



TURNER—turned to livestock—for his land's sake

"We have seen good and bad times since we started farming this place in 1929," says Roy Turner of Covington, Tennessee. "Through it all, we have found that it pays to follow a long-term plan that *saves and builds the soil*."

"For a while I planted mostly cash crops, including about 200 acres of cotton, and I kept just enough livestock to graze the native Bermuda grass on the fields that were too hilly or soggy for cotton or corn. In a few years it looked like I would *soon* have nothing but Bermuda because my land was washing badly and losing its kick."

"Some terraces, lime, fertilizer and a longer rotation with more legumes checked the erosion and improved my crop yields." Mr. Turner now grows about 70 acres of cotton and the rest of his 600-acre farm produces pasture, hay, silage and grain for his livestock. He usually produces about 150 market hogs and sells some purebred gilts. He raises an average of about 7.5 pigs per litter, and farrows his sows twice a year. He handles about 200 beef cattle, which includes a fine herd of 60 registered cows, and feeds and markets about 75 fat steers each year.

The cow herd is to be increased to 100 head and then he can raise the feeders needed for his feeding

program. Spring calves are creep-fed before weaning in the fall. After they come off the grass he winters them on corn or sorghum silage, and a mixed legume hay. The improved pastures are planned so that he can keep them on lush pasture from early spring, the following year, until he begins to grain them on pasture in August. The steers are marketed in the fall weighing around 1,000 lbs., and most of the gain has been put on at low cost by using a maximum amount of pasture, silage and hay.

The neat, practical buildings, good fences, and thrifty livestock indicate that hard work and careful planning have been major factors in the success of the Turners. They are the kind of folks who find time to take active leadership in 4-H Club work, farm organizations, and purebred livestock associations.

The Turners turned to livestock as a natural companion to proper land use!

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C. S. (Chuck) Barnes (right), president of Precipitation Control Co., and Sandy Brown, pilot, loading a 30-lb. charge of a newly-developed warm cloud-seeding device mounted on wing tips. Vapors of this unit are 100 times more effective in building raindrops in clouds than the natural nuclei present in the upper atmosphere.

A New Technique

This new technique, good for a 3½-hour flight of actual cloud-seeding, is now being used successfully over the western Kern County, Calif., dust bowl area, and Southeastern Texas, where 90% of the clouds never reach temperatures low enough for silver iodide to be effective.

Silver iodide only can work at temperatures 8 degrees below freezing, and lower—temperatures which require clouds to be built up to great heights. In many areas, clouds never reach these heights and low temperatures. Therefore, we found it necessary to develop this new warm-cloud technique.

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OUR ORGANIZATION was set up to investigate, develop and perfect all methods of increasing rain and snowfall, and to control cloudbursts and hailstorms. Our staff consists of competent pilots, meteorologists and technical personnel to set up and operate these programs for either summer or winter seasons.

OUR RECORD shows five successful years of rain-increasing programs in practically every country in the western hemisphere, and in many other foreign lands. So if you have the need for additional rainfall, cloudburst or hailstorm control, we solicit your inquiries of our worldwide operations.

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out being held back by political strings. Too, it takes up many problems of finding new, better, or cheaper farm products that industries need as raw material.

The foundation was set up primarily to revitalize the sick soils of Texas. Initially, accent has been on the blackland prairies. This slice of twenty-six million acres forms a wide belt that extends from the Red River southward through central Texas almost to the Gulf of Mexico. Dallas lies within this belt, which has about the area of Ohio. Its sticky, black soil has been devoted mainly to cotton growing for nearly half a century. As a result of this one-crop economy, the soil has been seriously depleted. In the last thirty years, its capacity for growing crops has been cut in half.

The blacklands have suffered not only from erosion but from loss of the original soil humus. They are short of minerals, do not have as much rainfall as most farm regions, and are low in capacity to absorb and retain moisture. Their high clay and lime content keep them from responding well to rejuvenating treatments that have been developed for other sections.

In experiment fields at the crossroads village of Renner, six miles north of the Dallas city limits, the foundation is trying out many new fertilizers and combinations of fertilizers. In strips side by side, the crops given various treatments are watched and compared. The scientists there are also developing and adapting substitute crops for land retired from cotton. In this they are especially interested in oilseed crops, since the acreage cut in cotton has brought shortages for users of cottonseed oil and hardness for the operators of cottonseed mills.

Toward this end, the foundation is trying to develop a soybean that will thrive in Texas. It is working toward a strain of sesame that will have a high yield and will not shatter. It is experimenting with sunflowers, okra, castor beans, flax, and safflower. Soon some of these oilseed crops may offer blacklands farmers, under conditions of mechanized production, new sources of cash.

Other research goals include popcorn to supply the big Southwestern market and new corn hybrids that will give bigger yields than the types now used. Now the foundation is breeding a white corn suited for milling into dry products such as grits, corn meal, and hominy. After six years of breeding and testing, it has developed a white hybrid of high quality that yields twelve bushels to the acre more than the corn commonly grown in northern Texas. Many farmers tried out this seed on their own land last year. It is being given a much wider distribution this year.

The laboratories at Renner are among the few in the country that are applying atomic energy to agricultural research. Under contract with the Atomic Energy Commission, the foundation receives radiotopes from Oak Ridge. It converts these into radioactive adenine and various compounds. Some are used in developing insecticides and weed killers. Others are added to phosphorus as a tracer to show the degree to which plants absorb and use this important fertilizer. Still others are shipped to laboratories elsewhere in the country to be used in cancer studies and other research.



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Protect your livestock investment; make more money from healthy, vigorous animals by using safe, efficient, economical HUMBLE TOXAPHENE LIVESTOCK SPRAY.

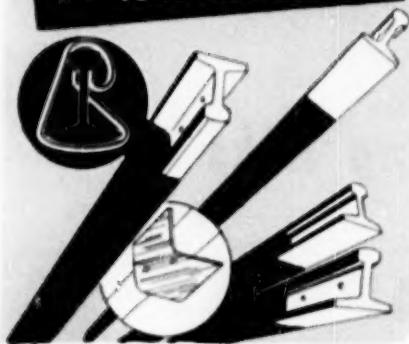
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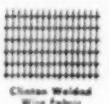
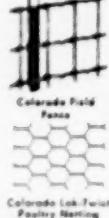
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Part of the foundation's research is done under a series of fellowships. These are awarded to young scientists who are working toward master's or doctor's degrees in universities over the country. Each fellow is paid \$2,400 a year for his living, plus \$600 for tuition, travel, and supplies. The fellowships are financed by individuals or corporations interested in restoring soil productivity. They are devoted to research in soils, plant breeding, corn hybrids, grasses, alfalfa, oilseed crops, and fertilizers.

Findings of the research at Renner are made available to county agents, conservation leaders, and other interested persons. Recently, in response to many requests, the foundation began offering services to individual farmers and ranchmen on a cost basis. It sends out an expert who tests the soil and recommends special fertilizers, types of grass, crop rotations, and conservation steps.

The initial interest of the foundation in the blacklands has not kept it from broader fields. Many of its findings can be applied to other parts of the South and Southwest. The foundation is handling three biennial prizes of \$5,000 each which the Hohltzelle Foundation of Dallas has set up to encourage agriculture. These will go to Texans and others who make important discoveries or make other contributions to the advancement of farming and ranching.

Louis Bromfield, who now farms and ranches in Texas as well as in Ohio, recently declared that this foundation "is the finest institution of its kind in the United States and perhaps in the world. It has provided a pattern for getting research applied to the soil."

No financial troubles have plagued the Texas Research Foundation. Gifts from the Hoblitzelle Foundation and from individuals have paid for its land and laboratories and its operating expenses. It has made only two general appeals to the people of Texas. One in 1946 brought \$625,000. A second in the fall of 1950 raised \$1,263,000 to assure continuance of its program for five years. The foundation is showing many Southwestern farmers and ranchmen that they can solve their soil, grass, and crop problems without waiting for help from Washington.

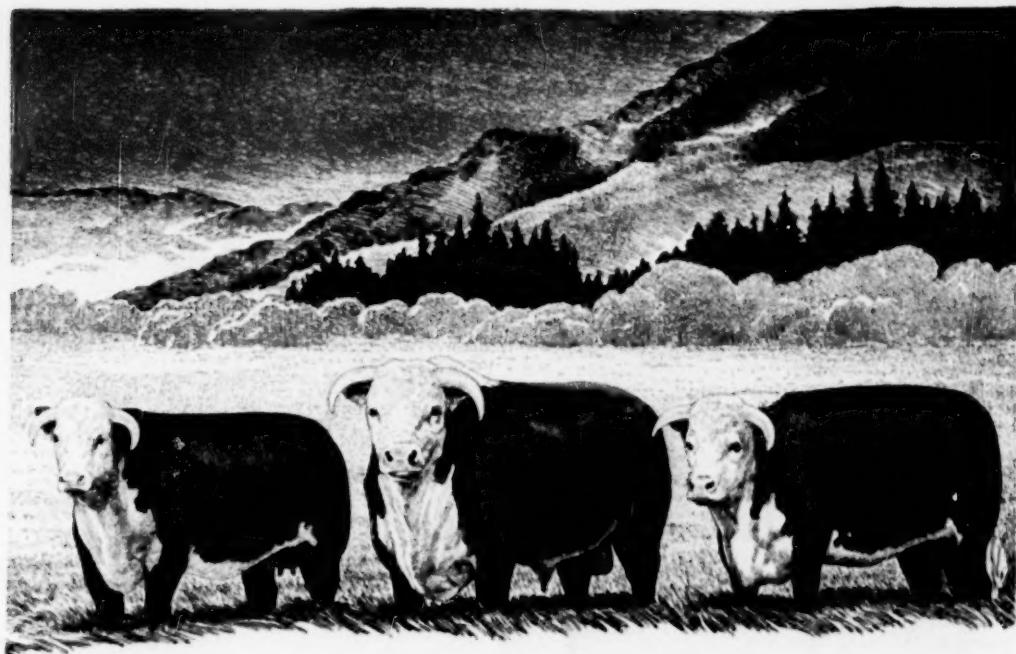
Mid North Texas Hereford Tour May 19

OUR Manager J. P. Sontzell has announced the following schedule for the Mid North Texas Hereford Association tour May 19th:

- 8:15 A. M. Rainbow Ranch
- 8:55 A. M. John Kennon Ranch
- 9:25 A. M. Hutchison Ranch
- 10:10 A. M. Boog-Scott Ranch
- 11:45 A. M. C. C. Jewell Ranch
- 1:30 P. M. W. R. Gollinar Ranch
- 2:35 P. M. Fred Triplett Ranch
- 3:40 P. M. F. H. Shannon Ranch
- 4:25 P. M. Whitney Dam
- 5:05 P. M. Paul C. Murphy Ranch
- 6:00 P. M. W. E. Rogers Ranch

The tour will start at Rainbow Ranch, six miles west of Cleburne at junction of highways 67 and 174. Coffee and doughnuts will be served at Rainbow Ranch and lunch will be served at Jewell Ranch.

The Cattleman — Subscription rates: One year, \$2; three years, \$5; five years, \$8; foreign, one year, \$4.



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BLACKLEG-HEMORRHAGIC SEPTICEMIA BACTERIN (Alum-Precipitated) B.H.* BACTERIN *Lederle* for protection against both blackleg and shipping fever.

BLACKLEG BACTERIN (Alum-Precipitated) *Lederle* for protection against uncomplicated blackleg.

ANTHRAX SPORE VACCINE No. 3 (CARBOZOO®) *Lederle* for protection against anthrax in cattle.

HEMORRHAGIC SEPTICEMIA BACTERIN (Alum-Precipitated) *Lederle* for protection against shipping fever.

BRUCELLA ABORTUS VACCINE (Vacuum-Dried) *Lederle* to increase resistance against brucellosis.

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According to the "Westerns" in the movies and television, our West is inhabited largely by handy gents who "can shoot from the hip", meaning they're fast, deadly and accurate with a "shootin' iron".

Sure, the range today is full of tough hombres who shoot from the hip, but not with six guns—no sirree. With a can of K.R.S. in one hip pocket and a bottle of Trisulfanol[®] in the other, they're prepared for some of the deadliest squirtin' and easiest sprayin' they ever did.

Take K.R.S. for instance. There's a long applicator nozzle that really gets K.R.S. down into the cuts where it'll kill the screw worm larvae and help heal the wound at the same time. K.R.S. does not repel the egg-laying screw worm fly. If that fly doesn't lay its eggs in one cut she'll lay 'em in another, so we figure it's best to let 'er lay the eggs and then K.R.S. takes care of the larvae as they hatch. Since the screw worm fly lays only once, it's better to get those eggs laid where they'll be killed sure by Cutter K.R.S.

Got pinkeye in the herd? Quick—draw your bottle of Trisulfanol from the other hip pocket and with one hand (right or left) you'll score a bullseye! The index-type sprayer is accurate, yet sprays a fine, gentle mist of fast-acting Trisulfanol that really goes to work on pinkeye. By the way—Trisulfanol can do a bang up job of keeping deep wounds on critters from becoming infected.

So I say, carry your weapons, men, protect your profit dollars from screw worm and pinkeye losses this summer. Carry K.R.S. for screw worm killin', Trisulfanol for pinkeye.

See you next month.

Ole Bull

CUTTER LABORATORIES
Berkeley, California



OLE DUNNY

Prototype of a Plainsman

By JACK KNOX

OLE DUNNY'S chuck wagon was camped near the shade of a pair of windmills. The boys were drifting over, one or two at a time, from the bawling herd that was gradually quieting on the roundup grounds. Coffee was ready at the wagon, and it was good coffee.

The boss had a visitor that day, an oil company executive from over Houston way . . . or somewhere. One of the men tilted the big black pot for him to fill his tin cup. The executive—at least that's what he looked like—scanned the chuck box, then looking to the cook demanded "sugar and cream, please." Ole Dunny reached for a fruit jar about half full of sugar, then prowled through his chuck-box plunder and came up with a can of Carnation, punched a couple of holes in it and set it beside the sugar. Stepping back a couple of feet, he watched scornfully as the executive diluted his coffee with liberal portions of sugar and cream. Then Ole Dunny let him have it . . . "Break a little bread in that, son, and you'll have a puddin'!"

Dunny cooked for cowboys, had for

fifty years and more, he didn't cater to any other tastes . . . or class.

P. E. Dunlop wasn't one of those "justity characters". He was fabulous only to those who lived and worked close to him for periods of time, who were privileged to pick up a little story here and there, now and then. He wasn't loud, he wasn't windy, he wasn't too well known even on his home range, west and north of Midland. He wasn't unfriendly or over friendly, just solid friendly. In his quiet way he was quick with wit and wisdom. He knew the lore of the Southwest, the grasses, the brush, the trees, the insects, the reptiles, the animals, wild and domestic, and the half wild and half domestic. He could read signs. He knew the craft of the cowboy as well as the art of the wagon cook. He knew saddles and gear as well as he knew Dutch ovens and chuck boxes. He was just typical, maybe, so typical that to me his was the face, the heart, the character of the cow country.

Dunny was, for forty years more or less . . . off and on . . . cook for "Wild Bill" Scarborough's "fryin' pan" outfit. But XIT, Pitchfork, Spur, and cowboys

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You drive right over it—without stopping!

Sure stops gate cussin'



- NO ELECTRICITY
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- IT'S SELF-OPERATING!

No need to stop to open and close your road-gate—just shift to low and keep your car rolling! When your bumper touches your PUSH-OVER Automatic Gate, it pushes over and down flat to the road . . . stays down while you drive right over it . . . then it rises back up to vertical position.

Entirely *automatic* hydraulic operation—safe, sure, effortless—your PUSH-OVER Gate saves time, energy, tempers!

Livestock cannot operate your PUSH-OVER Gate . . . yet you can easily push it down and brace it open to permit their passage. Eliminates cattle-guards and adjacent gates. *Saves you money!*

Sturdy *lifetime* construction (heavy steel pipe, welded) . . . proved fool-proof at Texas State Fair when cars, trucks and tractors drove over a PUSH-OVER 23,972 times! Guaranteed against defective materials, construction and operating failure for one year.

Made in 3 widths: 8-ft., 10-ft. and 12-ft. PUSH-OVER comes to you completely assembled, attractively finished with aluminum coating—ready for easy installation. If you have a road-gate on your farm, ranch or estate, you need a PUSH-OVER Automatic Gate to make driving a joy!

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WHAT IT IS — Kolicide is a remarkable new insecticide combining the killing power of lindane and DDT with the continual prolonged effectiveness of fused bentonite sulphur. It comes ready to mix with water for either spraying or dipping.

WHERE TO USE — Triple action. Kolicide kills seven types of flies, also lice, ticks, and fleas. It gives superior control on cattle, sheep, goats, hogs, and horses—also an effective general spray for infested areas.

HOW TO APPLY — Kolicide should be used with a power sprayer having sufficient pressure to part the hair or wool and wet the skin. Only one application needed for lice or ticks; repeat every two to four weeks for the control.

WHERE TO BUY — Kolicide is probably carried in stock by your dealer if not, write on

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of other outfits had put away a heap of Dunny's biscuits, beans and beefsteak . . . and PIE . . . away before he fired out to Bill. I first met him in the spring of 1944 when I unrolled my bed in Loving County, Texas, and unsacked my saddle to ride for the "fryin' pan" . . . (I might add that I rode mostly in the dust of that outfit.) His cooking was the first thing that got me. That "fryin' pan" chuck was the best I had ever got on the outside of . . . anywhere! They say the way to a man's heart is through his belly, and from the first time I eased over to Dunny's pots and pans and Dutch ovens for a second round with that first meal, I was on his side, he was one hombre I'd fight for. I discovered that men who felt the same way numbered enough to constitute a good-size fightin' army.

His humor was unmatched. Returning to the ranch from visiting Lamesa, 75 miles to the east, he spun great yarns about the sights he had seen, and particularly about the size of the cotton oil mill — must have covered many sections, according to Ole Dunny — just a shade smaller than Guadalupe, the big mountain 100 miles to the west. The boys questioned this yarn considerably — he took a good deal of friendly ribbing about it. Then early one cloudy morning, after several unusually cloudy days, the boys were having their coffee around the wagon. Almost suddenly that red glow burst on the eastern horizon. Dunny acted out one long, quixotic look. "Must be that cotton oil mill at Lamesa afire!" Commenting on one of the slow cowboys hired out of a domino hall to help with the fall work . . . "If he passed a terrapin, he met it, he didn't overtake it." Marveling at the great speed he showed outrunning maddened one-eyed cow to the corral fence . . . "That's just my natural gait — when one o' them critters is behind me".

He deplored the "smell of gasoline" that lured the cowboy to the pickup instead of the pony. Dunny used mules, not motors, to move his chuck outfit. And during the war, when hands were short, Dunny made a hand on horseback — riding waterings, prowling pastures, fixing fences. He could pick a fly off a cow's back with a bull-whip, was "worth three men" when it came to trailing herds across the ranch.

Except for one thing, Dunny would have been a cowboy, a "top hand". He was crippled. You weren't really aware of it, he never made an excuse because of it, he never discussed it. He managed what he did perfectly. It seems that as a boy, he had been run over by



a wagon, his feet were badly mangled. He couldn't wear boots. He sort of hobbled and shuffled when he walked. Perhaps in overcoming this terrific handicap he developed his character, the kind of character one notes only in the truly great. Dunny's heart and soul were as big as the range where he spent his life. He was a friend to his fellow man, when a fellow needed a friend.

P. E. Dunlop, age 76, died last spring. The letter telling the sad news of his brief illness, of the wet-eyed ranchers and cowboys at the graveside, caught me right in the throat. The loss was personal and deep. Men of his breed have a way of affecting profoundly those with whom they come in contact. But just like Ole Dunny in life, his memory is the kind that will ride with a man to the end of the trail.—From Jack Knox, "The Banner," Nashville, Tenn.

AQHA Donates Trophy to High School Rodeo

THE American Quarter Horse Association is donating a beautiful trophy, a statue of a Quarter Horse, to the owner of the best roping horse at the fifth annual State Championship High School Rodeo at Hallettsville, June 21-23. There will be more than 100 contestants in the roping event, coming from every section of Texas and bringing the best roping horses in the state of Texas. The last trophy given by the AQHA for the best roping horse at the Hallettsville State Championship High School Rodeo was won by Katie Reid, No. 7256, a sorrel mare owned by Warner "Nig" Reid of Silverton, Texas, and ridden by Bob Thompson, Stinnett, Texas, the State Champion High School Calf Roper in 1949.

There are many other valuable prizes donated to the State Championship High School Rodeo. H. A. Dromgoole of Eagle Lake, Texas, is donating a fine Quarter colt for the State Champion Calf Roper. Volney Hildreth of Aleo, Texas, is giving a registered Quarter colt to the boy who wins the championship in the Boys' Cutting Horse Contest. The Hallettsville Chamber of Commerce has presented three beautiful saddles—one to the Champion Calf Roper, one to the All-Around Champion Cowboy, and one to the champion in the Girls' Cutting Horse Contest. There are many other valuable prizes for the various champion and other place winners. All winners will become eligible for the National Championship High School Rodeo to be held this August in Sulphur, La.

Congratulations!

To Thurber and Herschede, Sonoita, Arizona,
purchasers of this top prospect that was first place
senior bull calf at the American Royal and Fort Worth.



NAME: PRINCE PUBLICAN 123rd.

PRICE: \$25,000 plus breeding privileges

The selection of Prince Publican 123rd, son of CW Prince Domino 21st, highest living Register of Merit sire, is, we think, a wise choice, because we believe this prospect to be one of the very best individuals ever sired by the "21st." Only because of breeding privileges to him and the fact that he is going to a top Hereford establishment were we agreeable to letting him go. We expect really great results from the "123rd" in the Thurber and Herschede herd.

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Texas Technological College

(Continued from Page 17)

2. Preparation of students for a fuller life after graduation, a realization of their responsibilities as future citizens, and an insight into the less tangible values of social and personal culture.

The Agriculture Division offers majors in agriculture, agricultural economics, agricultural education, animal husbandry, dairy manufactures, agronomy, agronomy and farm machinery, and horticulture.

Degrees offered in the Division of Arts and Sciences include biology, chemistry, economics, education and philosophy, English, foreign languages, geology, government, history, anthropology and sociology, journalism, mathematics, music, physical and health education, physics, psychology, and speech.

The Division of Business Administration awards undergraduate degrees in accounting and finance, commercial teaching, economics, business administration, international trade, management, marketing, pre-law, public administration, and secretarial administration.

The Division of Engineering offers careers as chemical engineers, petroleum engineers, civil engineers, textile engineers, electrical engineers, industrial engineers, mechanical engineers, architects and commercial artists.

The Home Economics Division offers degrees in applied arts, child development and family relations, clothing and textiles, foods and nutrition, general home economics, home economics education and pre-nursing.

Complete work toward a Master's Degree in many of the above fields is offered at Tech, and recently curricula for a Doctor's Degree in education and in American civilization were offered.

Texas Tech Board of Directors

(Continued from Page 19)

Publishers have taken an active interest and several have been board members, including Carter, Houston Harte of San Angelo, and Pat Mayse of Paris.

Tech's Board of Directors has made two excellent contributions to the college within the past two years. Many members of the present board were instrumental in setting the wheels in motion for the college's \$5,000,000 building program which, when completed within the next few months, will greatly increase the physical facilities.

Chancellor E. Weymouth of Amarillo is chairman of the building committee. Other members of the committee are Robert H. Price of El Paso and Leon Inci of Houston.

The second major effort of the present board was the obtaining of the Pan-Tex properties for the college. This 16,000-acre tract, formerly an ordnance plant near Amarillo, was deeded by the government to Tech. The college used the land for agricultural experimentation, but recently returned some 7,500 acres of it to the federal government for use by the Atomic Energy Commission.

Charles C. Thompson, Colorado City, is chairman of the board at present. Mr. Thompson, an attorney and stock rancher, has banking and extensive ranching interests in and near Colorado City.

Other chairman is Mr. Weymouth, of Amarillo. He is one of the biggest cat-

tlemen on the North Plains and is former president of the Texas and Southwestern Cattle Raisers' Association. He also is chairman of the minerals committee of the board.

C. T. McLaughlin, Snyder, is chairman of the legislative committee of the board. Mr. McLaughlin also is chairman of Tech's Foundation Board of Directors. He operates the Diamond M Ranch near Snyder and is an extensive oil operator.

Chairman of the local affairs committee is Leon Ince of Houston. Mr. Ince is a graduate of Tech's mechanical engineering department. He is now with the Lynn-Elliott Heavy Machinery Company of Houston.

Charles W. Wooldridge of Dallas chairs the textiles committee of the board, a position for which he is eminently fitted, because he graduated from Tech's textile engineering department. Mr. Wooldridge is now vice president of the Red Ball Motor Freight Lines.

Raymond Pfluger is the third member of the board who was graduated from Texas Tech. His degree was in animal husbandry in the Division of Agriculture. A resident of Eden, Mr. Pfluger is chairman of the board's agriculture committee. He is an extensive rancher, stocking sheep, goats and cattle.

Robert B. Price of El Paso is chairman of the finance committee of the board. He has large dairy interests in Texas and New Mexico and operates the Price Creameries, Inc., one of the largest milk-producing companies in the Southwest.

Thomas F. Abbott, Jr., of Fort Worth, and George E. Benson of Fort Worth, were named by the Governor to six-

year terms on the board early in 1951. Mr. Benson is chairman of the board's executive committee. He has ranching interests and is president of the Citizens National Bank of Lubbock.

Mr. Abbott, a member of the executive, legislative, local affairs and mineral committees, also is a rancher and operates the Frontier Pontiac Company in Fort Worth.

Livestock Research at Texas Tech

(Continued from Page 22)
ture is high; however, the workers here now believe that the minimal calcium content of wheat and its poor ratio in comparison with phosphorus may be more important in the development of wheat poisoning than the high potassium content. Many of the results which have been obtained to date are available in the American Journal of Veterinary Research. Investigational work is being continued.

An important facility in the research program is the recently acquired Pan-Tech Farms, formerly the Pan-Tex Ordnance Plant near Amarillo, Texas. Soon after the close of World War II, the value of this establishment in a research program, especially related to the wheat poisoning problem, was pointed out by Mr. C. E. Weymouth of Amarillo. Mr. Weymouth, a prominent livestock man and former president of the Texas and Southwestern Cattle Raisers' Association, is also a member of the board of directors of Texas Technological College. In the capacity of a board member, he was instrumental in securing PanTech Farms for use by the college.

At the present time, three main research projects are being carried on in cooperation with the A. and M. College of Texas. The three projects are (1) studies of the current nature, causes, and control of livestock losses on wheat and other pastures in the Panhandle of Texas; (2) the use of the progeny test in beef cattle improvement, and (3) crossbreeding Rambouillet ewes with rams of mutton breeds to determine the most profitable market lambs for the High Plains Region. In addition to the research program, it is hoped that in time PanTech Farms may substantially supplement the practical phases of instruction of students majoring in all phases of agriculture, particularly the phases of animal husbandry and agronomy.

Roundup Cavalcade at Pawhuska July 27-29

THE fourth annual International Roundup Cavalcade, dedicated to the perpetuation of the spirit of the old west and preservation of American ideals, will be held at the Osage County fairgrounds, Pawhuska, Okla., July 27-29. The Cavalcade was incorporated to bring together amateur roping and riding clubs from all parts of the country to compete for prizes. The participants will camp out on the grounds and relive the life of the old west during the three-day period.

Between 60 and 70 roundup clubs will participate in the various old west events which include, besides the regular rodeo events, such features as the Pony Express race, the chuck wagon race, and old fashioned mounted quadrilles.

Attention! Horse Club Secretaries FREE! Horse Show Helps

To help make your horse show a big success, the Ralston Purina Company offers free show helps. Kit consists of 100 numbered arm bands, 8 directional arrows, 13 official buttons, and 20 posters (specify whether you want Horse Show or Rodeo posters) which we will imprint for you on request. If posters are imprinted, material will be sent about 14 days after order is received. For your FREE kit of Horse Show Helps, just write HORSE DEPT., RALSTON PURINA COMPANY, 1523 Checkerboard Square, St. Louis 2, Mo.

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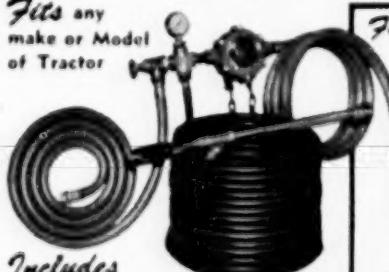
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Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Sec'y, 410 East Weatherford St., Fort Worth.

Division of Agriculture at Texas Tech

(Continued from Page 20)

soil management, soil conservation, and range management complete the principal areas of instruction in the field of agronomy.

The student specializing in animal husbandry receives instruction in the anatomy, physiology and nutrition of farm animals and the practical feeding and management of farm animals. In addition there are courses in the selection and breeding of farm animals, artificial insemination technique, range livestock management, wool production, the production and handling of milk on the farm; slaughtering, cutting and curing meats, and the production of poultry and eggs.

Students who choose the dairy manufactures major are instructed in the manufacturing processes used in the production of market milk, condensed and powdered milk, butter, cheese, ice cream and cultured milk. Technical courses are required in dairy bacteriology, dairy chemistry, and the various chemical and physical tests employed in the manufacture of dairy products. To completely round out the education of the student in this field, courses in creamery management, dairy plant equipment, and merchandising of dairy products are included.

The student who majors in horticulture and park management receives basic instruction in plant propagation, fruit culture, vegetable gardening, floriculture, and the culture and uses of trees and shrubs of economic and ornamental purposes. Further specialization is available in landscape design and the design and operation of parks and recreation systems. This branch of horticulture is receiving considerable emphasis because of the growing demand for qualified personnel to plan the landscape layout and direct its development and maintenance for city parks, playgrounds, school grounds, cemeteries, hospitals, universities, and privately-owned estates.

Specialization by the student in one subject matter department does not preclude the taking of some elective courses in other departments of the division of agriculture and other departments of the college. Many advanced students elect courses in government, economics, history, mathematics, music, languages, business administration, and some branches of engineering, physics and chemistry.

For example, the boy who is planning on returning to the ranch after college, can specialize in animal husbandry and range management with the privilege of taking his free electives in business and accounting in the Division of Business Administration. Thus, he will have specialized work in agriculture and a knowledge of business methods to go with it.

We're Sorry

In the Diamond L Ranch ad in the April issue it was incorrectly stated that both grand champion steers shown by Harold Brown, Graford, Texas, at the 1950 and 1951 Palo Pinto shows were sired by Domino Return E 1643d. Both were grandsons of DL Domino, as stated, but the 1951 champion was a son of DL Domino, owned by Pat Dalton, Graford, Texas.

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Harold Bugbee

(Continued from Page 23)

experienced cowmen the rules of roping, and riding a horse and how to be a good all-around cowboy. And he loved the life. Never once has he wanted to do anything else—except to paint. The two combined have made a contented and happy life for him.

Charles Bugbee and his wife still own the same ranch they bought when they came to Texas. Although 84 years of age, the elder Bugbee keeps some fine Shorthorns on his land and ranches on a partnership basis with his artist-cowboy son. When the latter is not working over his drawing board, he's usually on the range in cowboy dress, looking after the ranch and its daily needs. His brand is HB joined.

On January 1, 1935, which happened to be a Tuesday, Harold Bugbee married Katherine Patrick, a daughter of Mr. and Mrs. W. H. Patrick, Clarendon. On the first of every month since that time he has given his Scotch lassie a gift to preserve the sentiment and happiness of the event that took place on that day. Kathy is a charming person and the ideal counterpart of her quiet-spoken husband. She is gay, pretty, and her many friends adore her. Since her father is the Dean of Panhandle Bankers, president of the First National Bank of that friendly little town, Kathy naturally has a business head and besides her domestic duties, is the capable assistant-cashier of her father's bank.

The Bugbee's white stucco cottage in Clarendon, shaded by tall, graceful poplar trees, is the place where both choose to be after working hours. Here friends drop by, good coffee and conversation are brewed. Again a quiet evening is spent when Bugbee the cowboy relaxes in his easy chair on a Bayeta blanket admiring his cherished Charlie Russell bronzes.

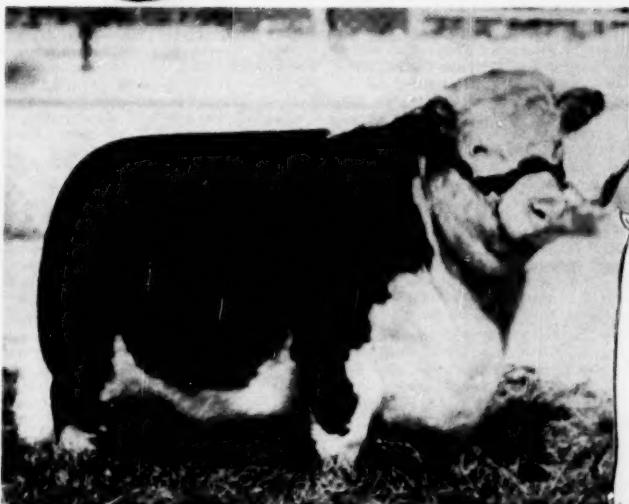
The Bugbee hospitality is well known and sought after. Kathy recalls on one occasion their door bell rang at 1 o'clock a.m. She sleepily answered it. A strange man and his wife were on the porch. "We are admirers of your husband's work," the man explained. "We are passing through your town, moving to a distant state. If we don't meet Mr. Bugbee this time and see some of his work, we may never have another opportunity. May we come in?"

This was sufficient explanation for Kathy. She cordially invited them in. She awakened Harold and put on the coffee pot. "A most wonderful night was spent," she recalls. "We talked until 'getting-up-time', then served them breakfast and bade them goodbye. They're still Bugbee fans," she admits with pride, "and we have kept up a correspondence through the years."

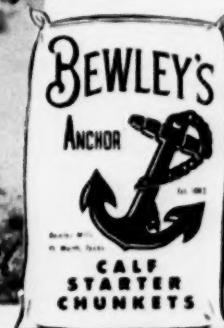
During a recent interview with Bugbee in his home, he told the story of a certain one of his pictures that catches the eye. It portrays cowboys, stiff with animal cold, around a large pine log fire on a bitter winter night. "That's a real scene. J. Evetts Haley was managing the Dent Ranch south of Gallup, New Mexico, and I was one of the cowboys who helped move 380 cattle over the Zuni Mountains in December. It came a big snow storm on the second night, and there was no food for the cattle, no grass, only a few fallen oak leaves. It was too cold to sleep, so the cowboys burned a pine tree and sat around it all night to keep from

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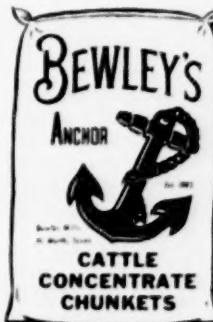
MISS LARETTE, champion Hereford female, Amarillo Fat Stock Show, owned by George Nance, Canyon, Texas. She is an undefeated champion.



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ASTER ROYAL 45th, champion Hereford bull, Amarillo Fat Stock Show, owned by Alfred Meeks, Dalhart, Texas.

BEWLEY MILLS . . . FORT WORTH, TEXAS

frosting." He pointed out himself as the pipe-smoking cowboy on the end of a log.

Bugbee's prized possessions on the living room wall are a painting by Frank Hoffman and a small Leon Gaspard. The latter is the painting of a church that once stood in Smolensk, Russia, Gaspard's native land. The Russian artist gave his sketch to Bugbee in Taos, New Mexico. "Gaspard is the finest colorist in the world," he said with appreciation.

Over the sideboard in the dining room is a striking oil painting called "White Mustangs."

"Kathy likes that picture, I have given it to her," Bugbee said, explaining that the mustangs were painted from descriptions given to him by old timers who had seen them in the early eighties, wild and free as the prairie winds. "They suddenly disappeared and were never seen again," he stated.

Two of Bugbee's current oil paintings, "Prong Horn Antelope" and "The Slick Ear," were in his home during our visit, ready for delivery. It was a revelation to see these two beautiful paintings and to study them at leisure with the artist. "The Slick Ear" shows cowboys rounding up a yearling missed during a last roundup. "Such an animal, with no brand or ear-mark, is called a 'slick-eared,'" Bugbee explained.

"I do not have time to do many oils," he admitted. "I do too many illustrations for books and magazines." Among the more than twenty books he has illustrated with pen drawings are "Charles Goodnight," "Jeff Milton," "Between Sun and Soil," "Mustangs and Cow Horses," "Bon-of-a-Gun-Stew," and many others. He makes pen drawings for Field and

The Cattleman

Stream, The Cattleman and many pulp magazines.

Naturally Bugbee has to do a great deal of research on the books and stories he illustrates. He explained about the fact story printed each month in Ranch Romances. The editor, Bugbee related, wanted the stories of some of the old timers which he (Bugbee) had drawn, Dave McCormic, Ab Blocker, Charles Goodnight, Frank Collinson and others. Bugbee persuaded his friend, J. Evetts Haley, to write a few of these stories, but the latter's biographical works kept him busy and he soon resigned from the pulp field.

Since Bugbee had helped institute this type of story, he wanted to see it continued. He wrote his old cowboy friend, Frank Collinson, then retired and living in El Paso, Texas, and asked him to write some true stories about the early West, promising to illustrate them. "Collinson had hunted buffalo, trailed cattle and had established headquarters on the Matador. He taught me all I know about handling cattle and was considered the best cowboy among the many Englishmen who came to this country in early days. I had made dozens of sketches of him.

"Collinson sent me a story about a buffalo hunt," he continued, "written in long hand. It was good. I sent it to the editor and it was accepted, and until he died at 87 he wrote fact stories of the old West for the magazine. Of course, other writers do the stories now."

Bugbee has some fine animal paintings in his home. One is of "Old Jennie," a bear in the Denver Zoo. "I painted her from life, putting in the Western background. I'm not like Rungius, the great

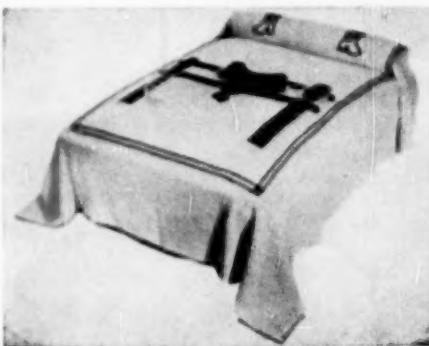
animal painter, who makes his studies from wild animals that he has shot. I would rather sketch live animals from life," he admitted.

One of Bugbee's finest oil portraits is of Colonel Charles Goodnight and hangs in the Historical Museum in Canyon, Texas. "It was a privilege to know Colonel Goodnight," he said. "He knew this country like no other man and understood horses and cattle." Bugbee recalled with a twinkle in his eye some timely philosophy that this old cowman passed on in his early nineties when being helped into his car one evening at the front of the Bugbee home. "You know, old age is honorable," he acknowledged, "but damned inconvenient."

One of the finest works of the cowboy artist is the mural in the Panhandle-Plains Historical Museum, depicting Colonel Goodnight's entrance into the Palo Duro. Another splendid mural, in memory of the late R. B. Masterson, pioneer Amarillo cowboy, adorns the Hall of Texas Cattle Kings, Dallas.

Both Bugbee and his wife have a great interest in the Panhandle-Plains Historical Society. Bugbee is a past president and member of the executive committee of the association. They have done much to promote the society's growth. In the archives department is a valued autograph book compiled by Mrs. Bugbee and presented to the society. It contains the personal autographs of many of the leading pioneers of the Panhandle country.

Bugbee says he has been making thumbnail sketches of buffalo, horses and cattle as far back as he could remember, but had never thought seriously of becoming an artist until he was in his late teens. "When I was a boy I thought a



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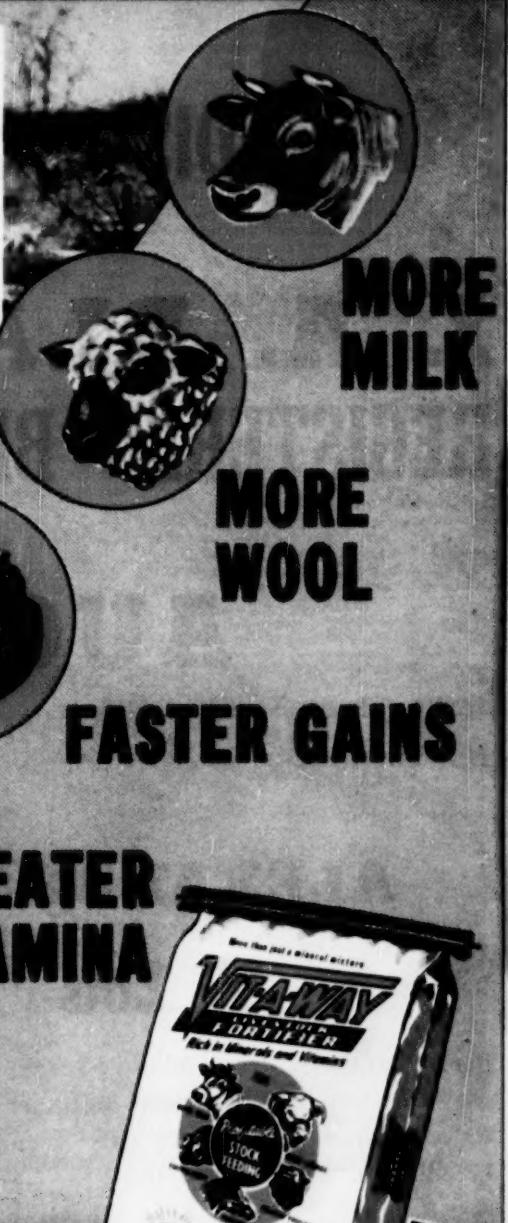
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cousin, Lewis Dow, was a sap because he stayed in the house to draw," he confessed. "When I realized that I was more interested in the length of a steer's horns than how fat he was, I knew I had more artist in me than cowboy."

"I had seen and greatly admired the western pictures of Remington, Russell, and Dunton," he remembered. "I realized they were preserving the changing West. As yet no artist had painted Texas as it is today, and this became my ambition.

"My mother knew the rough road ahead of me when I told her I wanted to be an artist, but she understood and did not discourage me. She knew I had inherited my talent and love for drawing from her. She had painted and studied in the School of the Boston Museum of Fine Arts during her young womanhood. She never hesitated to criticize my work when it did not come up to her expectations. She has always been my best teacher and a continuous inspiration," Bugbee said warmly.

When Bugbee was seventeen he went to Texas A. & M. College where he received his first art training in addition to his main course in animal husbandry. World War I interrupted this schedule and he had his first taste of military training in the R. O. T. C. Illness kept him from returning to school the following year. During World War II, he served in the Engineer Corps in Fort Belvoir and Camp Butler.

In 1919 the young artist took the advice of Bert Phillips, one of the founders of Taos, New Mexico, art colony, and went to Des Moines, Iowa, to study under Charles A. Cumming, head of the University of Iowa Art Department. "I spent

two years under Cumming and at the end of that time he told me to go home. 'I have taught you how to use tools and mix colors,' Cumming told me. 'Go home and keep painting until you decide what you want to paint.'

"My mind had always been made up about what I wanted to paint and draw," Bugbee reminisced. "I took Prof. Cumming's advice, came home to Clarendon, and have been painting and drawing western scenes ever since."

Highlights in Bugbee's career have been his many visits to Taos where he has studied, worked and visited with other artists. When possible he and Kathy head for this enchanting spot on their vacations. They were there last summer when Ernest Blumenschein and Bert Phillips celebrated the 50th anniversary of the well known art colony which they founded.

Bugbee has had showings at Ferargil Gallery, New York, Findlay's Galleries, Chicago, Phoenix, Taos, Dallas, Fort Worth, Houston, San Antonio, University of Texas, Austin, and many other smaller towns in Texas. The Shamrock Oil Company displayed eighteen framed advertisements with Bugbee illustrations at a three-day showing in Lamar, Colorado, last May. Today art collectors and critics throughout the United States recognize his work.

When one visits Old Taos, rustic night spot in the Herring Hotel, Amarillo, he is delighted with the realistic, life-size western murals around the walls. These were done by Bugbee. Who else could have done them so well?

Buyers of unique and different Christmas cards like to choose those with ill-

ustrations by Bugbee, while users of individual stationery, place cards, etc., consider themselves lucky if they can buy those illustrated by the Clarendon artist.

"I'll probably never be rich," Bugbee philosophized, "because there is just so much I can do. I can do no more. I can't relegate part of my work. But I like what I'm doing. There's something fascinating about it—an inner force that drives me on—makes me keep working even when I'm tired."

When he gets too tired at his board he goes out to the corral, whistles for Blue, his dapple gray horse, and goes for a ride across the prairie. Texas' sun and wind refresh him and as he comes back to his work shop where he "honestly portrays the spirit of the times upon his sketch pad," as his good friend, J. Everta Haley, credits him with doing.

Just as Bugbee tears up sketch after sketch striving for perfection in his work, so have I discarded paragraph after paragraph during the composition of this article, trying to find suitable adjectives to describe this exceptional western artist. But after all he is best described by simple words. Honesty and sincerity come first. These characteristics are continuously reflected in his works and in his face.

When an old cowboy knowing nothing of art, stands in silence before one of Bugbee's pictures, then removes his well worn hat, scratches his head and says, "By dogie, he's painted it just as it is!" you can rest assured he speaks the truth.

The country one paints yields an influence upon the artist. Especially is this true where one is associated year

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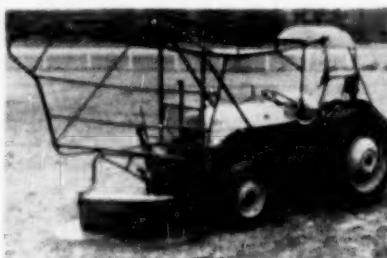
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after year with nature's colors and characteristics that ever set a pattern for his paint brush.

No wonder Bugbee paints the Texas Panhandle, that young, virile, and still unconquered section of the Great Plains with boldness, fidelity and charm. His artistic sense has absorbed the myriads of delicate desert colors in the Palo Duro and along the Cap Rock's rim; the vast vistas of space; the dancing mirages; the blue of the sky; the cumulus clouds; the rich ranches of unspoiled grass; the hard working cowboy and herds of fat cattle. How lucky that his talented pen and brush have preserved them upon paper and canvas, for our generation and for others yet to come!

Bugbee with his innate modesty would be the last person to connect his name with those of Remington and Russell. But his many friends and admirers that have grown into the thousands, think he is a worthy successor of these fine western artists of yesteryear.

**Texas A. & M. Exhibits to
Feature Texas State Fair**

THE State Fair of Texas, working closely with officials of Texas A. & M. College System, is blueprinting an entirely new type of agriculture show for the 1951 exposition, Oct. 6-21, R. L. Thornton, fair president, has announced.

The show will be a balanced, correlated and highly-educational panorama of the state's agriculture as represented by the 14 agricultural extension districts of the A. & M. System.

Each district will have its own large exhibit, built from information on scientific agriculture furnished "from the grass roots level" by district and home agents and the committees they will designate.

This is out of the best informed groups of men and women in Texas on the state's agriculture because of their close daily contact with farmers and ranchers in their districts, Thornton said.

"The result should be the most outstanding agriculture show in fair history," Thornton predicted. "We are investing more money in this effort than in any previous agriculture show to give the fair's 2,000,000 visitors a better concept of the industry's varied output from the Panhandle to the Valley and from the Piney Woods country to the Big Bend."

Thornton added that fair officials consider agriculture the most important industry in Texas, and believe this tribute to farms and ranches of the state will provide the show the industry deserves, one which will appeal strongly to both rural and urban folk.

The plan was developed at a meeting early in 1951 between A. & M. and fair officials, including Gibb Gilchrist, chancellor of the College System; G. G. Gibson, director of the extension service; Ben Cabell, general chairman of the fair's agriculture and livestock committee; E. C. Inglish, chairman of the agriculture committee; W. H. Hitzelberger, fair vice president; J. H. Stewart, executive vice president and general manager; and Ray W. Wilson, manager of the livestock and agriculture departments.

The plan was later endorsed by a conference of the district agents and specialists of the extension service.

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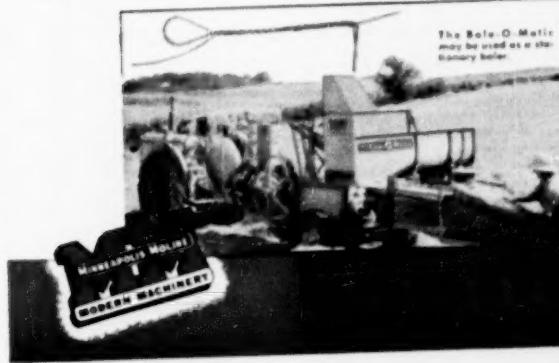
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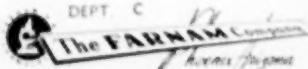
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Sorghum Varieties for the Hard Lands of the Texas Panhandle

By KENNETH B. PORTER and CHARLES J. WHITFIELD*

DRYLAND tests of sorghums have been conducted on the Amarillo Conservation Experiment Station since 1939. A large number of experimental strains are tested yearly in addition to the commercial varieties reported herein. The tests have been grown on land managed in a wheat-sorghum-fallow rotation. The soil is Fullman clay loam, a heavy soil which is the predominant type of the Texas High Plains. The tests were planted with a three-row planter and the rows spaced 42 inches apart.

Varieties early or intermediate in maturity, such as Early Hegari and Martin, have been the more consistent producers in the tests. Combine varieties recommended for dryland production are Early Hegari, Double Dwarf White Sooner Milo, Martin, Midland, Combine 7078, and two new varieties—Redhine 60 and Combine Kafir 60. Plainsman, Caprock, Westland and possibly the new variety Redhine 66 are somewhat late for best results on the hard soils near Amarillo. These later varieties, however, may produce higher yields under irrigation or in favorable years on dryland.

The older varieties of grain sorghum are well known and most of them are described in Progress Report 1064 "New Varieties of Sorghum." Other varieties are briefly described following.

Combine 7078 is a red-seeded variety which blooms in about 65 days. It is a selection from a cross of Leoti X Awneless

*Respectively, associate agronomist and project supervisor, Amarillo Conservation Experiment Station, Amarillo, Texas.

TABLE I. Yield, days to first bloom and plant height of 13 grain sorghums grown on dryland, 1939-50.

Variety	Yield, bushels per acre										Com.-Days to first bloom, inches	Plant height, inches	
	1939	1941	1942	1943	1944	1945	1946	1947	1948	1949			
Texas Milo	18.3	25.6	16.2	3.5	24.2	9.1	6.9	28.6	24.7	20.7	67	34	
Early Hegari	23.1	27.5	9.3	4.5	1.8	5.3	4.0	2.0	2.8	1.0	57	37	
Plainsman	13.4	25.9	12.6	3.9	30.1	2.4	2.8	25.5	47.3	37.5	20.3	73	30
Midland	22.3	23.5	1.4	2.7	26.6	8.7	5.7	26.2	60.5	50.1	24.2	64	34
Caprock	—	—	—	—	—	—	—	—	—	—	18.6	75	33
Westland	—	—	—	—	—	—	—	—	—	—	21.8	71	33
Combine 7078	—	—	—	—	—	—	—	—	—	—	24.4	64	29
Midland	—	—	—	—	—	—	—	—	—	—	24.7	63	35
D. D. White Sooner Milo	—	—	—	—	—	—	—	—	—	—	24.8	63	35
D. D. Yel Sooner Milo	—	—	—	—	—	—	—	—	—	—	20.4	57	34
Redhine 60	—	—	—	—	—	—	—	—	—	—	26.9	61	34
Combine Kafir 60	—	—	—	—	—	—	—	—	—	—	25.6	67	35
Correction factor used to compute comparable yield	3.2	8.2	6.0	19.2	15.4	13.5	17.0	4.8	23.6	20.6	61	24	

TABLE 2. Forage and grain yield of forage sorghums grown on dryland, 1941-50.

Variety	Air-dry forage and grain yield										Com.-Days to first bloom, inches	Plant height, inches
	1941	1942	1943	1944	1945	1947	1948	1949	1950	1951		
Texas Blackhull Kafir	1.34	2.99	1.1	4.82	1.11	2.3	2.7	4.6	2.56	70	53	53
—	21.5	19.6	5	46.0	2.7	8.8	32.8	40.5	20.8	—	—	—
Sumac 108	2.82	2.83	9	5.32	1.84	2.5	2.4	4	2.83	68	59	59
—	22.6	21.8	9	46.0	2.7	12.4	39.6	38.7	22.6	—	—	—
Early Hegari	1.42	1.7	1.0	2.42	1.15	1.3	1.3	1.23	37	37	37	37
—	27.6	9.3	4.8	39.4	3.3	25.8	42.2	27.8	22.6	—	—	—
Hegari	3.99	1.1	3.22	1.08	2.33	2.8	1.9	2.17	68	49	49	49
—	20.7	1.9	2.53	1.7	2.8	31.0	27.4	14.7	—	—	—	—
Sumac	3.92	1.3	5.38	2.78	2.37	5.8	6.1	4.18	74	64	64	64
—	20.7	1.7	7.8	3	17.7	38.8	21.6	11.7	—	—	—	—
Atlas	4.18	3.51	8	—	—	2.81	—	—	—	78	67	67
—	16.3	16.2	—	—	—	3.6	—	—	—	—	—	—
(Sorghum - African Millet)	—	—	—	—	—	—	—	—	—	6.1	6.1	6.1
—	—	—	—	—	—	—	—	—	—	12.8	12.8	12.8
Gomenach	—	—	—	—	—	—	—	—	—	6.3	7.1	7.3
Hi-Hegari	—	—	—	—	—	—	—	—	—	7.5	12.8	12.8
Correction factor used to compute comparable yield	—	—	—	—	—	—	—	—	—	44.1	51.5	50
Forage	—	—	—	—	—	—	—	—	—	38	49	49
Grain	—	—	—	—	—	—	—	—	—	2.1	19.8	20.8
Air-dry forage, tons per acre	—	—	—	—	—	—	—	—	—	—	—	—
Grain, bushels per acre	—	—	—	—	—	—	—	—	—	—	—	—

Correction factor used to compute comparable yield

Forage 38 07 1.24 1.83 1.09 45 49 56

Grain 2.1 5.8 19.8 20.8 15.8 7.6 13.3 12.6

Air-dry forage, tons per acre

Grain, bushels per acre

duce considerably less forage than later-maturing varieties.

In addition to grain and forage yield, plant height should be given consideration when selecting a forage sorghum. The later-maturing varieties like Atlas, in some seasons, grow too tall for binding with a small grain binder and must be cut with a row binder. The earlier-maturing varieties like Sumac 108 are generally short enough to cut with a small grain binder.

Sumac 108 has been grown at the Amarillo station since 1944 and harvested with a small grain binder as a bundle feed for cattle in feeding experiments on the station. It is a dependable producer and a palatable forage sorghum. Sumac 108 is a yellow-seeded, early-maturing selection made at the Chillicothe station from the cross Kafir X Sumac.

Hi-Hegari is a new, tall variety of Hegari which was bred and developed for silage purposes. It was produced by crossing a tall mutation found in Early Hegari with ordinary Hegari and selecting the recombination of tall stalk and Hegari maturity. Hi-Hegari has been tested only one year at the Amarillo station and it, like ordinary Hegari, bloomed slightly later than Early Hegari. Both Hi-Hegari and ordinary Hegari are normally a few days to a week later than Early Hegari.

Acknowledgment

Research done at the Amarillo Conservation Experiment Station is cooperative between the Texas Agricultural Experiment Station and the Soil Conservation Service, U. S. Department of Agriculture.

H. H. Williamson Retires

H. H. WILLIAMSON, assistant director of the Extension Service, U. S. Department of Agriculture, retired March 31 to return to Texas, his native state. He has been a member of the Extension Service since January, 1945, working on cooperative relations in a regional educational program to help in making farm adjustments in the cotton economy. He has also represented the director of extension work in administrative relations with state directors, especially those in the South.

Mr. Williamson was born in Bedias, Texas, and graduated from the A. & M. College of Texas in 1911. Soon afterward he became State Boys 4-H Club Agent, later serving as vice director and, for eight years, as director of cooperative extension work in Texas. In 1939 he served as chairman of the Committee on Extension Organization and Policy of the Land-Grant College Association. In 1921, Director Williamson conducted a small group of 4-H boys on a study tour of Western Europe. This was the first group of 4-H members to make a tour of this type in Europe. In 1944 he came to Washington as adviser to the administrator of the OPA on agricultural relations. His career of public service spans a period of over 39 years.

Mr. Williamson plans to take over active management of his Texas farm and small cattle ranch located in Grimes County, maintaining his residence at Bryan, Texas.

The Cattlemen just can't be beat. I'm not a rancher yet, but hope to be, and your magazine sure gives a lot of good information on range grasses and feeds.—Glenn Foxx, Et. 2, Box 99-A, Richmond, Mich.

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five years, \$8; foreign, one year, \$4.

Building Program at Texas Tech

THE post-war boom in college students hit Texas Tech harder proportionately than most institutions of higher learning.

Tech's regular enrollment for the 1943-44 long session was 1,928 students, a sharp decline caused by the war. Enrollment in 1939-40 was 4,246.

However, the enrollment figure began to jump rapidly until the peak year of 1948-49, when 8,750 students registered for the long session. This huge attendance strained the facilities of the college. Something had to be done.

Consequently a building program was initiated. Originally the program was to cost \$4,000,000. But rising costs boosted this figure to \$4,500,000. Then, early this year, the contract was let for the \$500,000-plus Student Union Building, which raised the total amount of construction well over the \$5,000,000 mark.

But building at Texas Tech doesn't stop with physical facilities alone.

The Texas Technological College Foundation has spurred itself to greater efforts during the past few months and already the foundation's influence in helping the college strengthen its position in Texas has been apparent.

The faculty and staff of the college have undergone a strengthening under Dr. D. M. Wiggins, Tech's president. Curricula have been enlarged to encompass a multitude of new subjects, providing West Texas educators with the finest facilities in the Southwest.

Facilities for students, as well as faculty members, have been increased. Stu-

dents now have better guidance than ever before, both during and after classes.

These new benefits to students include a revitalized recreation program, the access to outstanding national figures through lectures and personal appearances on the campus, and a greatly improved dormitory supervisory system.

But the immediacy of the building program holds the spotlight, a fitting climax to the college's Silver Anniversary celebration. Delays and shortages have slowed down completion of several of the buildings, but work on them has continued.

Two wings, costing some \$750,000, are being added to the Administration Building. These wings will provide more office space, 31 additional classrooms and 59,931 square feet more of floor space.

Originally scheduled to be finished February 1 of this year, the lack of some trimming postponed completion. Present plans call for completion of the east wing July 1, and the west wing September 1.

The pride of the campus will be the \$1,000,000 plus new Science Building. This beautiful structure is situated at the west side of Tech's Memorial Circle Drive, a fitting sight for visitors driving in from the main east entrance to see first.

The Science Building, following the Spanish Renaissance motif of all the campus architecture, will bridge the blank space formerly existing between the Library and Chemistry Buildings.

Arches will extend from the Science Building to the Library and Chemistry Buildings to form a courtyard at the western edge of the circle.

The Science Building originally was to be completed by April 1. However, it should be ready for occupancy September 1. The \$60,000 addition to the Petroleum Engineering Building also did not meet the February 1 completion deadline.

The \$600,000 Engineering Building tentatively is scheduled for completion September 1. The concrete structure has been completed and most of the other materials are on hand.

August 1 should see the two new wings to the Home Economics Building ready for use. These two wings, costing \$500,000, will more than double the capacity and facilities of the building.

Already installed is the \$250,000 utilities system for the campus.

The \$272,000 new Music Building is a little ahead of schedule. When completed, around the middle of August, the structure will give Tech's musicians their first home of their own.

Two agricultural structures, a \$51,000 stock judging pavilion, and the \$116,000 Veterinary Science Building, are expected to be completed in early spring. The storage warehouse of the Agricultural Engineering Building is nearly complete. The building itself, a \$375,000 affair, should be ready next August.

An \$84,000 project of greenhouses for the Agriculture Division also is nearing completion.

The latest addition to the building program—and one which students have been awaiting for years—is the Student Union Building. The contract was let

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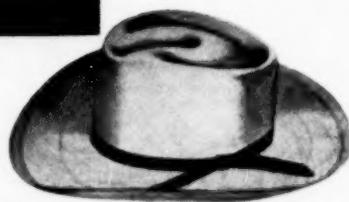
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in March. Start of construction was held up pending removal of the temporary Recreation Hall Building. The contractor specified the building could be finished in 460 calendar days.

The Student Union would still be a dream except for the Ex-Students Association of Texas Tech.

The first bid on the Union was some \$100,000 too high. Officials of Tech then negotiated with the contractor and cut what were felt to be features that could be left off and added later without reducing services to the students.

However, after these alterations, the school still needed \$25,000 to contract for the job. It was then that the Ex-Students Association, remembering how much they had wanted a Union when attending Tech, volunteered to raise the necessary \$25,000.

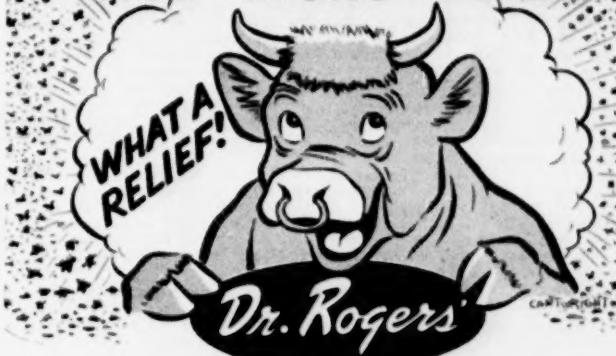
Farm Census Shows Less Than 5,400,000 Farms in U. S.

THE number of farms in the United States in 1950 was 5,379,043, according to preliminary figures for the 1950 Census of Agriculture released by Roy V. Peel, Director of the Bureau of the Census.

The number of farms for 1950 was 480,126 less than the number counted in 1945 and 717,756 less than the number reported in 1940. A change in the definition of a farm accounted for a part of these decreases. In 1950 places of three or more acres were counted as farms only if agricultural products, exclusive of a home garden, with a value of \$150 or more were produced in 1949. Also, in 1950, places of less than three acres were counted as farms only if the value of agricultural products sold amounted to \$150 or more. In each census from 1925 to 1945 places of three or more acres were counted as farms if any agricultural products, other than a small home garden, were produced during the preceding year, while places of less than three acres were counted as farms if the agricultural production was valued at \$250 or more.

A maximum of 200,000 of the 480,000 decrease between 1945 and 1950 of the 717,000 decrease between 1940 and 1950 can be attributed to the change in the definition of a farm. The remaining part of the decrease in the number of farms is largely the result of the discontinuance of food production for home use or for sale on many holdings now used solely for residential purposes and the enlargement of farm units. On the basis of preliminary data there have been large actual decreases in the number of farms in Alabama, Arkansas, Georgia, Kansas, Kentucky, Mississippi, Missouri, Montana, Nebraska, New England States, New York, North Dakota, Oklahoma, Pennsylvania, South Carolina, Texas, Virginia, and West Virginia. While detailed data are not available at this time, the decrease in the number of farms in the southern states probably represents a decline in the number of farms operated by tenants. The decline in the number of farms in states west of the Mississippi River is, in part, the result of the combination of farms. In the industrialized areas, cities have furnished employment to many persons who reside in the open country. Many of these country residents do not have the urge for producing food that existed during the World War II period.

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James Cather, Editor, Powder Puff & Spurs, Livestock Exchange Bldg., Fort Worth, Texas

Grazing Irrigated Pastures at Texas Tech

THE development of irrigated farming and the growing of alfalfa has frequently raised questions as to the use of alfalfa and alfalfa mixed with grasses for grazing cattle. To farmers in the West Texas area, alfalfa is of doubtful grazing value because of the danger of bloat.

To determine whether alfalfa and alfalfa and grass mixtures can be successfully used for grazing and to determine the approximate amount of beef which can be produced per acre to irrigated pasture land, an experiment was started in 1947. Four pasture plots were established. One plot was planted to only alfalfa, one to alfalfa and bromegrass, one to alfalfa and perennial rye grass, and one to alfalfa, bromegrass and perennial rye grass.

The four irrigated pastures have been grazed every year since 1947. Grazing is begun when alfalfa has reached the stage where normally it would be cut for the first hay crop, or when it is about one third bloom. The grazing season begins about May 1 and extends to about November 1.

Before turning in for the first time on a fresh pasture, the cattle are filled on dry roughage, placed on pasture about noon, and watched carefully for signs of bloat during the remainder of the day. If bloat does not occur by nightfall, it is concluded that the pasture is safe, and the cattle are not removed until the pasture is grazed down. While on the pasture, they have access

to a mineral mixture and water, but they receive no other feed.

Usually about three weeks are required to graze a crop down. The cattle are then moved to the next plot. The plot which has just been grazed is irrigated. If there is no rainfall, the pastures are irrigated two times between grazing periods. The amount of irrigation corresponds to the amount used for producing hay crops and approximates 36 inches of water per season.

When grazing project was first started, three animal units per acre were placed on the plots. It was found that the three animal units were too many and later it turned out that 2½ animal units per acre would be the optimum rate.

Cattle used in the grazing work are purchased as steer calves in the preceding fall and are carried through the winter as stockers. During the winter period they receive silage, one pound of cottonseed meal and one pound of alfalfa hay per head daily. After the summer grazing season is over, the steers are finished in dry lot on a grain ration.

The practice of winter stocking, summer and early fall grazing, and fall and early winter fattening in dry lot has been a profitable one. In the four successive years during which this procedure has been followed, only one animal has been lost from bloat. Based on prevailing prices during the past four years, the gross profit per steer

has averaged better than \$65.00 per head.

As would be expected, the pounds of beef produced per acre of grazing land has varied from year to year. It has ranged from as little as 324 pounds per acre to as high as 864 pounds per acre.

Several advantages of grazing irrigated pastures have been noted. Very little labor is involved as compared with the labor required for cutting, mowing, and baling hay. The manurial value of the crop is saved, and the legume plants fix nitrogen in the soil. After five or six years of grazing, the crop can be plowed under, thus adding humus and fertility to the soil, which enhances its value for growing other crops.

This advantage was rather plainly illustrated in one case on the college farm when an alfalfa pasture was plowed under and followed by irrigated red top cane which yielded 23 tons of silage per acre.

Through my dear and highly appreciated friend, Dr. Edwin J. Kyle, former American Ambassador in this country, I have had the opportunity in receiving numbers from your "The Cattleman". I am enclosing draft at sight to your order for the amount of five dollars, so that you may enter my subscription to your periodical. Your periodical brings to us a great variety of news, and I think it is the most advanced in its field. Thank you. Roberto Guirola L., Finca Buena Vista, San Pablo, San Marcos, Guatemala, C. A.

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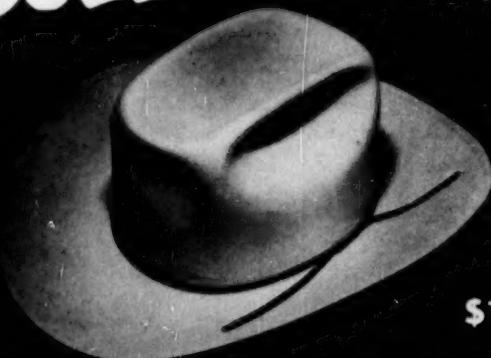
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J. E. McCrea

Mrs. Margaret Buchanan

Mrs. Margaret Buchanan, Texas pioneer, died in Mathis, April 4, at the age of 93. Mrs. Buchanan married S. M. Buchanan in Tennessee in 1875 and came to Texas in 1877, when her daughter, Mrs. Lou Ella Wade, was only a year old. The family first lived in North Texas and later moved to Corpus Christi. Since the death of her husband, in 1926, Mrs. Buchanan had made her home with her daughter, Mrs. Wallace D. Wade, at the Wade Ranch near Sandia. Survivors besides Mrs. Wade are three other daughters, Mrs. R. D. Atkinson, Sandia; Mrs. S. H. Roundtree, Shreveport, La., and Mrs. J. W. Priestly, Corpus Christi; two sons, S. L. Buchanan, Beaumont, and G. J. Buchanan, Corpus Christi; nine grandchildren and ten great-grandchildren.

Richard W. Arnold

Richard W. "Dick" Arnold, Pecos County ranchman, died of a heart attack in San Angelo March 28. He was 66 years old. Arnold had ranched between Marathon and Fort Stockton for many years. Survivors include two daughters, Mrs. Eldon McGonagill, Marathon, and Mrs. George Skevington, Anthony, N. M.; and a brother, Mark Arnold of Bellows Falls.

Monroe M. Wells

Monroe M. Wells, South Texas rancher of Edinburg, died March 22 at the age of 56. Survivors are his mother, Mrs. Ella R. Wells, San Antonio; a brother, Earl W. Wells, San Antonio; and two sisters, Mrs. Tom Darrah, San Antonio, and Mrs. D. C. DeWitt, Yorktown.

Joe B. Gamble

Joe B. Gamble, general manager of the Bivins Coldwater Cattle Company, died in Amarillo April 9. He was 67 years old. Gamble had been in the cattle business in the Panhandle area for more than 40 years. He came to Texas from Iowa shortly after 1900 and bought a small ranch between Canyon and Happy in Randall and Swisher Counties. In 1907 he bought land in Palo Duro Canyon in Armstrong County and operated a ranch there for a number of years. He was credited with being one of the first cattlemen to bring Aberdeen-Angus cattle to Texas. He was named general manager of the Bivins Coldwater Cattle Company in 1941 after Julian Bivins and his son were killed in a plane crash. He is survived only by his wife.

DeWitt C. Wing

DeWitt C. Wing, widely-known agricultural and livestock journalist, died at his home in Normal, Ill., March 30. Wing was associated with the Breeders Gazette for 26 years and in later life served the government in various agricultural capacities. He was also on the staff of the American Aberdeen-Angus



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Breeders Association and the American Shorthorn Club for a while. Among his writings is a biography of Frank Hardin of Shorthorn fame. A number of his articles have appeared in The Cattlemen from time to time. He is survived by his wife, Mrs. Constance Coen Wing.

John Arnot

John Arnot, retired Panhandle area cattleman, died at his home in Amarillo March 29 at the age of 85. He had lived in Amarillo since 1884. He is survived by his wife, Mattie; five daughters, Mrs. Joe Gray of Amarillo, Mrs. Frank Day of Clovis, Mrs. Ray DeBoice of Amarillo, Mrs. Otto Pettis of Amarillo, and Mrs. J. A. Landry of Houston; three sons, Claude Arnot of San Antonio, Charles Arnot of Clovis and Pat Arnot of Grants Pass, Ore.; a brother, C. G. L. Arnot of Surrey, England; two sisters, Mrs. Amy Pattullo of Glamis, Scotland, and Mrs. Millie Kerr of Willaura, Australia, and 11 grandchildren.

Dan Smith

Dan Smith, extensive land owner and rancher of Henderson County, died in Toole, Texas, April 5, following a heart attack. Smith for many years conducted a merchandise store at Toole and was a director of the Security State Bank of Mabank. He was born at old Lawndale in Henderson County in 1888 but moved to Toole more than 40 years ago. Besides his wife he is survived by eight children, four sons and four daughters. The sons are Roy Smith, Dallas; O. D., Jack and Bruce Smith of Toole; four daughters, Mrs. Mary Nell Skiles, Trinidad; Mrs. Loeta Johnson and Miss Betty Smith, Dallas; and Frances of Fort Worth. Fifteen grandchildren also survive.

Charles G. Westmoreland

Charles G. Westmoreland, rancher of Texas County, Oklahoma, died March 6 of a heart attack at the age of 60. He was the son of the late Mr. and Mrs. George Westmoreland. The same year that Mr. Westmoreland was born, he came with his parents from Missouri to what was known as No-Man's-Land and settled on a ranch on the Coldwater. Later he established a ranch on the Palo Duro River, where he resided at the time of his death, with his daughter and son-in-law, Mr. and Mrs. Willis McCoy. Mr. Westmoreland had been in the ranching business all of his life. His wife preceded him in death in 1939. He is survived by his daughter, Mrs. Willis McCoy and Mrs. Wayne Wysong, two granddaughters, and five sisters.

Walter O. Rothe

Walter O. Rothe, ranchman of D'Hanis, Texas, died in San Antonio April 4 at the age of 61. Survivors include his wife, Mrs. Maude Hanley Rothe; a son, Bernard Rothe, both of D'Hanis; a daughter, Mrs. Annette Cox of San Antonio, and five grandchildren.

Mrs. Alice Young

Mrs. Alice Young, pioneer ranchwoman, who once owned a cow pasture where the Adolphus Hotel in Dallas now stands, died in Coleman, Texas, March 31 at the age of 96. Mrs. Young had lived in Coleman County since 1876. Her husband, a nephew of General Sam Houston, died in 1900. She is survived by two grandsons, Andy Young of Burkett and A. J. Young of Snyder; two granddaughters,

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Mrs. W. J. Sipes of Cross Plains and Mrs. Harold Stovall of Coleman; eight great-grandchildren and two great-great-grandchildren.

Mrs. Mamie Ruth Wilcox

Mrs. Mamie Ruth Wilcox, wife of J. C. Wilcox, Sr., of Anahuac, Texas, died March 29 of heart attack. She was born in Paris, Texas, and had lived in Anahuac since 1935. She is survived by her husband, J. C. Wilcox, Sr., of Anahuac; four sisters, Mrs. Maggalee Miles of Anahuac, Mrs. B. E. Horsley of Winnewood, Okla., Mrs. Jessie Jennings of Tomball, and Mrs. Florence Kiker of Oklahoma City; four brothers, Ed Toney of Oklahoma City, Lon Toney of Longview, Algy Toney of Utica, Okla., and Steve Toney of Tyler; a niece, Mrs. Leon Gantion of Anahuac, and a stepson, J. C. Wilcox, Jr., of Anahuac.

Mrs. Mattie Lindsey Campbell

Mrs. Mattie Lindsey Campbell, pioneer ranchwoman and widow of the late W. A. Campbell, former Potter county commissioner, died in Tucumcari, N. M., April 16, at the age of 84. Mrs. Campbell, a native of Grayson County, Texas, was married at Jacksonville in 1885 and five years later the couple came by wagon to the Texas Panhandle where they settled south of Canyon. They later lived near Bushland on the C-Bar-C Ranch. Mrs. Campbell had lived in Tucumcari with a son, William L. Campbell, the past two years. She is also survived by a daughter, Mrs. J. G. Holden, Ojai, Cal.

Mrs. Effie Mayes Middleton

Mrs. Effie Mayes Middleton, mother of Mayes Middleton, rancher and oil man of Liberty, Texas, died in a Beaumont hospital April 17 following a heart attack. In 1904 Mrs. Middleton married the late A. D. Middleton and together they operated a ranch at Wallsville and up until her death Mrs. Middleton took an active part with her only son in managing the estate. Mrs. Lucille Mayes Gordon, a niece, lived with Mrs. Middleton at their Wallsville home. She was 74 years old.

Duard D. Wilson, Sr.

Duard D. Wilson, Sr., Texas horse breeder and owner of Flying W Horse Ranch near Vernon, died April 22 after an illness of four years. He was 53 years old. Wilson was widely known as a horse breeder, having had many famous horses, including Dan Waggoner, outstanding Quarter Horse sire, and Wilson's Lady, winner of many championships in Palomino competition at major shows. Surviving are his wife; two sons, Duard, Jr., and Warren Wilson, both of Vernon; one daughter, Mrs. Bill Rake of Vernon; three grandchildren; three sisters, Mrs. C. L. Douglas of Fort Worth, Mrs. Imogene Rose and Mrs. Sam McGhee, both of New Orleans, and two brothers, Joy and Mark Wilson, both of Vernon.

The number of trucks on U. S. farms has just about doubled since 1941—increasing from 1.1 million to 2.2 million. Tractors have increased from 1.7 million to 3.8 million; combines are nearly three times the number 10 years ago, from 225,000 to 650,000. Today there are three times as many milking machines as 10 years ago.

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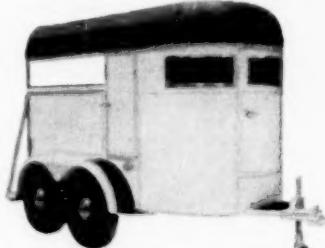
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Skin and Hide Damage During Flaying

Editor's Note—This is another of a series of articles on hide and skin defects which will be published by "The Cattlemen." The articles are prepared by Fred O'Flaherty, Vice President and prepared by Fred O'Flaherty, Vice President and William T. Roddy of the Tanners' Council and Research Laboratory, University of Cincinnati, and Lewis B. Jackson, Director, Hide Bureau, Tanners' Council of America.

These articles are from a booklet entitled, "Hide and Skin Defects," published by the Hide Bureau, Tanners' Council of America, Inc., 100 Gold St., New York, N. Y. Copies of this booklet may be secured free by writing to the address above.

CARELESSNESS and indifference, as well as lack of experience, are the only excuses for unnecessary cutting and scoring of skins and hides during flaying. The loss to the farmer, livestock raiser, butcher, packer, and tanner for these inferior hides is estimated in millions of dollars annually. "Butcher cuts," scores and other flaying damage are doubly regrettable because they can, by care and effort, be avoided. Some skins and hides become worthless because of cuts and other butcher damages. Single cuts may reduce the value of the resultant leather as much as 50 per cent.

Long scores which are made when "sideling" an animal even though they appear to be superficial, do show up particularly in sole leather, and reduce its value. These can be eliminated by careful workers. They are generally caused by the operative using a knife with a sharp point. It is recommended by some operating supervisors that the "sider" dull the point of his knife to obviate this damage.

A dull knife is the cause of cuts in many instances, but a sharp knife in the hands of an inexperienced Skinner, or an indifferent person, will also result in unnecessary cuts and scores. Safety guards have been made for skinning knives and also skinning machines. They are a great help in preventing damage but are for the most part time-consuming when used.

A blunt mallet is satisfactory for removing heavy hides, but should never be used on light skins, as it will break and weaken the grain, making the leather of low value.

Dirty or bloody skins and hides keep poorly regardless of the amount of salt present. All filth (which is ideal food for germs) should be removed before the curing salt is added. A quick wash in cold water and the removal of the excess water before salting will yield a good return in the price of the skin or hide. When dirty salt is used it adds germs to the skins or hides and such germs that live on dirty salt are able to destroy skins and hides even when part clean salt is added. A clean skin or hide will keep better than a dirty one and will produce much better leather.

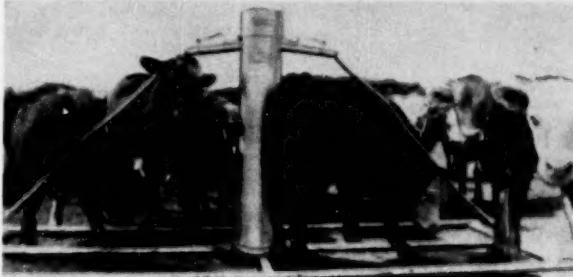
Manure, blood and other filth encourage germs (bacteria) to multiply and become active, and destruction of skins and hides results. Germ life damage invited by filth varies from simple hair slips to extensive grain damage and fiber destruction. Even when the damage is not apparent in the cured stock it may greatly reduce the value of the leather.

When large masses of fat or muscle are left on the skin or hide they interfere with the salt penetrating at the spot and a non-uniform cure results. All dirty edges and adhering fat and muscle as well as sinewes in the legs should be removed before curing.

Country skins and hides differ from packer stock only in the careless take-off and general poor treatment they receive. This could be avoided and a better

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KIRK'S LIVESTOCK OILER
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Fill "Old Scratch" with waste oil, add insecticide, and place near the salt tub and watch your stock rub and scratch, killing warbles, lice, ticks, screw-worms, mange mites and insects. "Old Scratch" is also effective in curing skin diseases, warts and pink-eye. Will also save fence.

"Old Scratch" is a simple machine—no jets—no pumps—no valves—no brushes to replace—1½-gallon capacity—portable—positive oil flow adjustment—nothing to clog up—fully automatic—fits any size animal—any place on the body.

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1. Calves learn to eat grain and roughage earlier—they grow faster and thrifter.
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5. Nuggets save feeding labor.
6. RED CHAIN MO-FAT Creep Feed Nuggets provide extra protein, minerals, and vitamins to boost range efficiency.

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We have prepared detailed plans for a covered self-feeder of ample size to require filling only at intervals of a week or so, to save labor and keep the Nuggets dry. Write today for your free copy. Address, Creep Feed Department.

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Gaylord J. Stone, Pres.
FORT WORTH, TEXAS

price received. The skin and hide producer's profit is reduced by the poor treatment given to the skins.

The tanner suffers much of the loss when skins and hides have butcher cuts or scores for it costs just as much to tan a badly damaged skin or hide (often more) and in every case the value of the resultant leather is reduced. Cuts and scores either make blemishes in the leather, weaken it, or prevent its use for certain purposes.

Playing damages can be reduced and eliminated if care is exercised by the person skinning the carcass and this unnecessary loss prevented. Better "take-off" will pay dividends to the producer and the tanner.

V. O. Hildreth Quarter Horse Dispersion

SUMMARY

71 Head \$35,445; avg. \$505

BUYERS from 12 states made selections from the 71 lots of top Quarter Horses at the V. O. Hildreth Quarter Horse dispersion sale April 2 at the Hildreth Ranch, Aledo, Texas.

Topping the sale at \$3,950 was O'Meara's Linda, a two-year-old daughter of One Eyed Hippy, by Peppy. This top mare went to Earl Hubbard of Maple Hill, Kan.

The second top of \$3,700 was scored on a 1950 daughter of Bill Cody, Miss V.O.H., bought by Robert Etter of Holly, Colo.

J. C. Britton, Weatherford, Texas, made the final bid of \$2,000 on O'Meara's Lamplighter, a two-year-old Palomino stallion by One Eyed Hippy.

States represented by buyers were Idaho, Nebraska, Kansas, Texas, Louisiana, Oklahoma, South Dakota, Montana, Colorado, Illinois, California, and Michigan.

Walter Britten conducted the auction.

A Letter From New York

Howdy Folks:

Just got back from a four weeks tour trying to buy some cattle. Was looking for breeding stock, so looked long and hard. The right kind always seemed to be priced pretty high and the low priced were the wrong kind. But finally found what I wanted and turned toward home.

When I arrived I sure did find a mess of mail. Included was my renewal notice—the one with the horseless cow puncher. So I gave him a sort of a cross between a mule and a bronc and am enclosing five bucks for three more years.

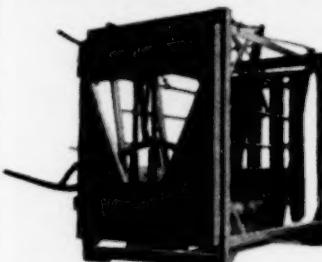
Sure do hate to miss a single copy of The Cattlemen as I enjoy everything in the magazine. As I said before, it's my only contact with the state where my grandpappy started in business with a one-eyed gray mare, a rope and a running iron. That was way back in 1867. He lived to the ripe old age of 92 and then died as the result of an accident here in the East.

Haven't been in Texas in the past four years but the urge is growing day by day. So some day before too long hope Ma and I can put our war bags in the car and stop by your place for little chin waggin'.

Wishing you every continued success with the No. 1 publication of America, I am,

Sylvester Falk, Machias, New York.

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The Portable Cattle Chute Mfg. Co. has led the way for eleven years in making "America's Finest" cattle chutes. This year we offer you more for your money than you can possibly get elsewhere.

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Increase in Meat Animal Population

CALLING attention to the fact that there are 9,415,000 more meat animals on the farms and ranches of the United States than a year ago, the National Live Stock and Meat Board asserts that this increase augurs well for the increased meat supplies so necessary for the needs of a rapidly expanding human population.

This increased meat animal population includes 4,127,000 more cattle—84 per cent of which are beef cattle—4,526,000 more hogs and 762,000 more sheep and lambs than on January 1, 1950.

The Board points out that there is an average of 28 cattle, 22 hogs and 10 sheep and lambs per square mile in this country. On a state-wide basis, however, there is a wide range in density of animal population.

Iowa, for example, leads every state in density of beef cattle population with an average of 61 per square mile. Nebraska is second with 44, Kansas third with 38, Illinois fourth with 30, and Missouri has an average of 27 beef cattle per square mile.

The state of Ohio with 27 sheep and lambs per square mile leads all states in density of sheep population. Texas ranks second with an average of 26.6 sheep and lambs per square mile, and Wyoming is third with 19.7. Kentucky with 18.5 and Iowa with an average of 18 sheep and lambs per square mile, are in fourth and fifth places.

Calling attention to the density of hog numbers among the different states, the Board reports that the five states of Iowa, Indiana, Illinois, Ohio and Missouri which together have more than half of the nation's total hog population, are the five leading states in density of hog numbers.

Taken together as a group, these five states have an average of 129 hogs per square mile. The respective averages for each of these states are as follows: Iowa 235, Indiana 136, Illinois 124, Ohio 83 and Missouri 70 hogs per square mile.

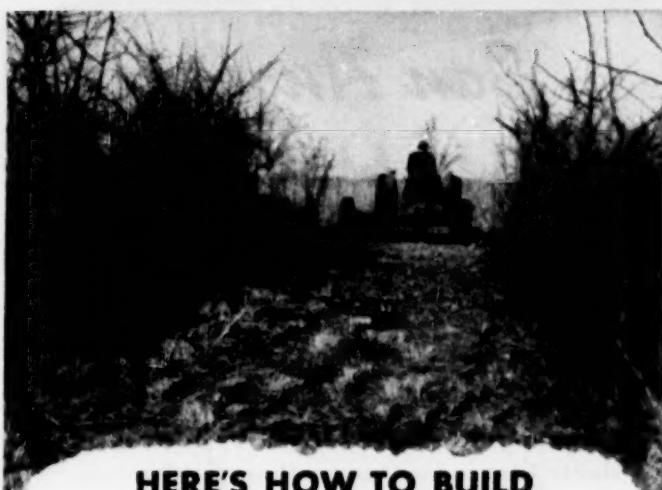
Bennett to Continue As Soil Conservation Chief

RETENTION of Dr. Hugh H. Bennett, chief of the Soil Conservation Service, past his retirement date has been announced by Secretary of Agriculture Charles F. Brannan.

Dr. Bennett has been with the U. S. Department of Agriculture since 1903, as soil chemist and soil surveyor, and as chief of the Soil Conservation Service since its establishment in 1935. He was on loan to the Department of Interior from September, 1933, until March, 1935, where he organized and headed the Soil Erosion Service before its transfer to the Department of Agriculture as the re-named Soil Conservation Service.

The veteran of nearly 48 years' service in the department was 70 years old on April 15.

In announcing Dr. Bennett's extension, Secretary Brannan said: "Particularly today, when agricultural production is so important in the mobilization program, Dr. Bennett's long experience is invaluable. His continued services will contribute greatly to the further advancement of soil and water conservation, which is so important in the mobilization of our agricultural resources."



HERE'S HOW TO BUILD BETTER PASTURES . . . IN LESS TIME!

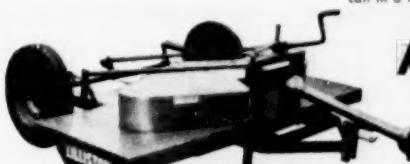
CATTLEMEN throughout the country are replacing old-fashioned, slow mowing equipment with the new Roto-Speed. And here are a few of the reasons: It's fast! Operating at high speeds, its whirling rotary blades cut a clean swath 7½ ft. wide. It's dependable! Requires no sharpening and only a minimum of routine maintenance. It's versatile! Roto-Speed will develop your pasture, cut and shred brush, stalks, stubble, vines, cover crops, etc., to mulch and enrich your land. Roto-Speed's fine chopping and shredding action also destroys hatching places of many harmful insects.

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Clear the way for new pasture grass with Roto-Speed instead of resorting to dangerous and expensive fires.

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When your pasture needs mowing, don't put it off... Get it done in a hurry! With Roto-Speed you can mow more in a day than you can in a week with an ordinary mower.



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Mower and Stalk Cutter

NEW MODEL

Better than ever, this 1951 Roto-Speed has Timken Bearings, Blood Bros. shielded universal, and many exclusive features. Cutting height is adjustable from 0" to 18".



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JUNE 7, 8, 9 and 10

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SIX RODEO PERFORMANCES

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Association, Henry Bell, Secretary, Fort Worth.

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ored stripes, no two
alike.

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Portrait of A. L. Ward to Texas A. & M.

TEXAS friends of A. L. Ward, Educational Director of the National Cottonseed Products Association, are having a portrait of him painted to be presented to the A. & M. College of Texas.

The portrait will be unveiled at the annual convention of the Texas Cottonseed Crushers Association at Houston, June 10-12.

Mrs. Dana Dunagan of Dallas, who has painted the portraits of a number of Texas livestock leaders, is painting the portrait of Ward.

W. L. Stangel, dean of agriculture, Texas Technological College, Lubbock, is chairman of the portrait committee which includes Rufus R. Peebles, Tehuacana; G. A. Simmons, Lubbock; and D. W. Williams, College Station.

"The portrait will be presented to the College to inspire young men to achievement such as has been demonstrated by A. L. Ward," according to Dean Stangel.

Ward this year is completing 25 years as director of the cottonseed crushing industry's Educational Service, widely known for its work in behalf of livestock and agricultural progress.

A native of Harris County, Texas, he graduated in 1910 from Texas A. & M., where he was a member of the college livestock judging teams from his sophomore through his senior years. His leadership was recognized in his senior year by his appointment to the highest student office, that of Cadet Colonel.

After engaging in farming and livestock raising from 1910 to 1917, Ward volunteered at the outbreak of World War I rising to the rank of Major and serving in France. At the end of the war he became Texas Extension swine husbandman, and was elected secretary of the Texas Swine Breeders Association.

In 1926, leaders in the Texas Cottonseed Crushers Association asked Ward to establish an Educational Service to work with experiment stations, colleges, and other educational and agricultural groups.

The annual "Feeding Practices" bulletin and other publications of the Educational Service are used throughout the United States and in foreign countries by teachers, students, farmers and ranchmen, and the varied activities under Ward's direction have been described by a leading farm publication as "of inestimable value to every branch of the livestock industry."

Among other activities, Ward served for a number of years as manager of the Student Livestock Judging Contests at the Southwestern Exposition and Fat Stock Show, and Livestock Superintendent for the State Fair of Texas.

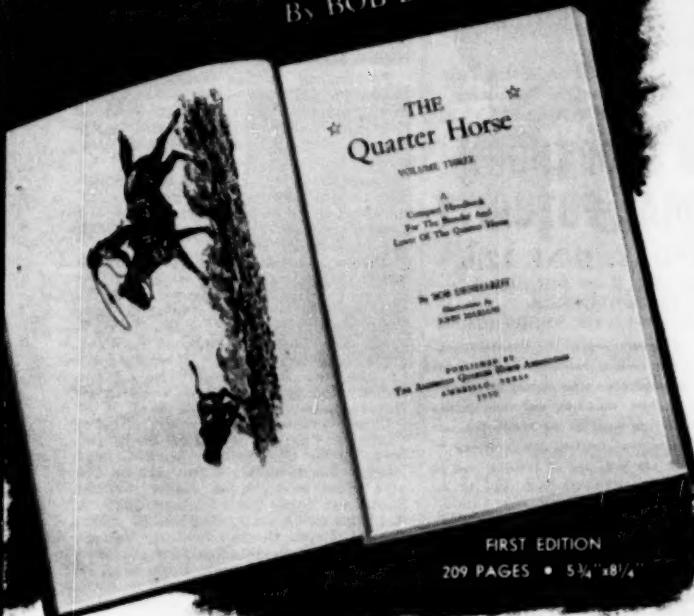
He also has served on the executive committee of the Association of Southern Agricultural Workers; as president of the Texas Agricultural Workers Association; as president, Dallas Agricultural Club; as president, North Texas Chapter, Friends of the Land; as chairman, Agricultural Committee, Dallas Chamber of Commerce; and as a member of the Statewide Cotton Committee of Texas and of the advisory committee of the National Cotton Council.

Ward has been active in many other agricultural and livestock organizations, and is widely known as a speaker and writer on livestock and agricultural subjects.

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★ THE QUARTER HORSE ★

BY BOB DENHARDT



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209 PAGES • 5 3/4" x 8 1/4"

Here's What This Book Contains:

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- 4 Early Modern Period 1900-1925
- 5 Some Great "Short Horse" Men

II THE USING HORSE

- 6 On the Ranch
- 7 In the Rodeo
- 8 On the Short Track
- 9 On the Polo Field

III BREEDING QUARTER HORSES

- 10 Breed Characteristics
- 11 Quarter Horse and Thoroughbred
- 12 Thoroughbred Influence
- 13 Breeding for Ranch and Rodeo
- 14 Breeding for Speed
- 15 Standards and Objectives
- 16 Family Strengths and Weaknesses

IV APPENDICES

- A Conformation of the Ideal Quarter Horse
- B Bloodlines of Working Quarter Horses
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JOHN MARIANI Real number one artist, Professor of art at Greeley, Colorado. Expert calf roping and interpreter of life on the range. His illustrations capture the true spirit of the Quarter Horse and its role in the development of the West.

AUTHOR

Bob Denhardt, number one authority on Quarter Horses. Editor of the Western Horseman, long-time columnist and article writer who has done as much as anybody to develop the current tremendous interest in the breed. Mr. Denhardt compiled the first volume of *The Quarter Horse* in 1941, co-authored the second volume in 1946 and revised and edited the famous book *Horses of the Conquest*. In between times he gathered the wealth of information, photographs and records presented so delightfully in this third volume of *THE QUARTER HORSE*.

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Many hitherto unpublished photographs of famous Quarter Horses—some foaled back as far as 1885! You'll delight in the reproductions of Texas Chief, Old Red Buck, Zantanon, Ace of Hearts and other horses that won fame for the breed and helped to establish it as America's greatest contribution to horsemanship.

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MARCHING
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SHORTHORN and POLLED SHORTHORN INTERNATIONAL FUTURITY

MONDAY, JUNE 11th

- 10:00 A.M.—Adjourned Annual Meeting of Shorthorn Club, Club House Restaurant, Fair Grounds.
- 2:00 P.M.—Judging of Bulls and Females.
- 8:00 P.M.—Selection of Champions.

\$8000 IN PREMIUMS. This total is offered at the Blue Grass Futurity Show of Shorthorns and Polled Shorthorns. Three classes of bulls and five classes of females will comprise the Futurity Show and all show animals are included in the Sale.

Come to Kentucky's famous "Blue Grass" area on June 11th and 12th.



HEADQUARTERS: Brown Hotel, Louisville, Ky. Make your reservations direct. Write for further information and catalog to Clinton R. Tomson, Sale Manager.

American Shorthorn Breeders' Association

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SHORTHORNS
ARE
MARCHING
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Prince Peter Mason 2524530 Reserve Champion Fort Worth, Champion Houston and San Antonio 1951

YOU WILL BE PROUD

Write for further information



TO BE A MEMBER

410 East Weatherford, Fort Worth

**National Intercollegiate Rodeo
at Fort Worth May 9-13**

COLLEGIATE rodeo's national championship finals come to Texas for the first time this year when the National Intercollegiate Rodeo Association sponsors five night shows, with added matinees Saturday and Sunday, May 9-13, inclusive, in Fort Worth's Will Rogers Memorial Coliseum.

Performing in San Francisco's Cow Palace the past two years, the collegians this year will test the tough stock of Earl and Jack Sellers of Del Rio, ranchers and internationally known rodeo producers.

Competition is for prizes and trophies only and the nation's high 10 teams, determined on a point award system, will compete in addition to high individual cowboys and cowgirls.

Teams selected are Sul Ross College, which ranks first in the nation, and, in order of rating, New Mexico A. & M., University of Wyoming, California State Polytechnic, Colorado A. & M., University of New Mexico, Oklahoma A. & M., West Texas State College, Montana State College, and Washington State College. Barely missing the first 10 were Texas' Hardin-Simmons and Texas A. & M.

Other member schools are Abilene Christian College, Arlington State College, Baylor University, Odessa College, Ranger Junior College, San Angelo College, Southwest Texas Junior College, Southwestern Texas State College, Texas A. & I., Texas Christian University, Texas Tech College, Texas Western College, University of Texas, Weatherford Junior College, and Midwestern University, all in Texas; Arizona State College, Cameron; Oklahoma Aggies, Fresno State College in California, Kansas State College, Montana State University, Oregon State College, C. W. Pierce College of Aggies in California, Rocky Mountain College in Montana, University of Arizona, University of California College of Agriculture, and University of Idaho.

Association president is Bill Guest of Hardin-Simmons University, Abilene, one of the nation's top calf ropers. Other officers are Eldon Dudley, vice president, Oklahoma A. & M., and Garnett Rose Kotkin, publicity director, Washington State College. Regional directors include Jack Longbotham, eastern, Texas A. & M.; Roy Reynolds, central, West Texas State; George Masek, mountain, University of Arizona; and Bill Brock, Pacific, Washington State College.

The famed Hardin-Simmons Cowboy band has been selected as the official band for the five-day event.

Defending his title of all-around champion cowboy will be Harley T. May of Deming, N. M., captain of the crack Sul Ross College team from Alpine and immediate past president of the association. May, who specializes in bull and bronc riding, captains the team which won last year's championship as well as ranking first at this time in the point award system. Other team members are Gene Newman of Marfa, Texas; Johnny Acker of Beaumont, Texas; James Dyer of Baird, Texas; Ross May of Deming, N. M.; and Clay Cade of Cross Plains, Texas. Coach is Everett E. Turner, a professor of agriculture.

Producer Earl Sellers has announced the selection of two of professional rodeo's top performers to serve as judges for the college affair. They are George Mills of Tilford, South Dakota, and Howard Baker of Bandera, Texas.



**CARAWAY'S
GOLDEN OAK
SHORTHORNS**

Win Champion Pen of 2 and 5 Bulls at Fort Worth. An outstanding group of young bulls coming on; drop by and fill your needs from some of the tops.

C. M. Caraway & Sons
Golden Oak Farms

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TO BE A MEMBER

410 East Weatherford, Fort Worth

THE BULL PEN

By HENRY ELDER, Secretary
Texas Hereford Association

THE Texas Hereford Association and the East Texas Hereford Association will jointly sponsor a Hereford Short Course at Tyler on May 12. This is an educational type of meeting and all Hereford breeders and any others interested are invited to attend.

The program will begin at 10:00 o'clock and will be held at the Fair Grounds at Tyler. Similar programs and meetings at other places have been well attended and breeders have expressed themselves as highly in favor of more such meetings.

Every year we have something to say about Hereford tours and we could say the same thing as we said last year and still feel that well-conducted Hereford tours are one of the finest activities in which breeders can participate. They are educational—both for the visitor and the breeder who will be visited.

The West Texas Association will sponsor their annual tour on May 16 and 17 with the tour beginning at Abilene. Some of the good herds in the state are to be visited. You can see in two days what it would take you two weeks to go and see individually. You will also get to see some herds you likely wouldn't go to see yourself. You will also find a good herd or possibly several good herds you didn't know about.

The Blanco County Hereford Association, Johnson City, will have their tour on May 26 and 27. Breeders always have a good time on this tour.

On June 22 at Mason the Hill Country Hereford Association and the Texas Hereford Association will jointly sponsor Hereford Short Course. A similar meeting has been planned at College Station for June 30, with Texas A. & M. the host.

Hereford breeders should make an effort to attend these meetings and these and other tours.

Sterling City Horse Show June 2

QUARTER Horses and Thoroughbreds will be shown this year in the Sterling City Horse Show to be held June 2 from 9:30 a. m. to 4:00 p. m. Entries should be in by May 29.

Nine classes have been set up in the Quarter Horse Division. Grand champion trophies will be furnished by the American Quarter Horse Association whose rules will apply to the Quarter Horse Division. Reserve champion trophies will be furnished by the Sterling City Horse Show Committee headed by Foster S. Price.

Seven classes will be shown in the Thoroughbred Division. Trophies for this division will be given by the Sterling City Horse Show Committee. The reining horse class is open to all ages, breeds and sexes and all horses will be judged in the same class.



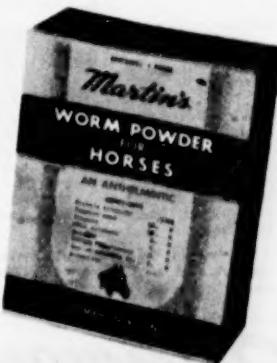
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Martin's Worm Powder for Horses is especially compounded for horses—a highly effective single dose treatment for combating Ascarids, Strongyles, pin and tape worms. It contains no Phenothiazine, to which some horses are violently allergic. It is easy to use, either by mixing in the feed or mixing with water as a drench.



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Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Secretary, Fort Worth.



**WE HIT THE
BULLS
EYE...
IN AIMING
FOR A JUNIOR
HERD SIRE**

Our New Junior Herd Sire

BC DL Domino 4th 6104028, owned jointly with Bear Creek Hereford Ranch, Aledo, Texas

DL Domino 8th
4400981

D. L. Domino 4201790

Domino Prince 4th 2508902
(Colorado Lassie 2nd 2193354)

MC Miss Larry 11th
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MW Larry Domino 10th 3739243

Larry Domino 8th 2624412
(Miss Aster Domino 26th 2119662)

We selected this young bull to mate to daughters of our senior herd sire Domino Return E. 1643rd as we felt his top individuality plus his outstanding breeding will produce even better Herefords for the many customers of Diamond L. Ranch, who demand top Herefords.

We would be pleased to have you visit us and see this new addition and our other good Herefords.

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The most practical instrument produced for the cattle industry in years, and the only one of its kind in the world. We will be glad to mail you a circular, write for it today.

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Your brand is your coat of arms, but it is of little use unless it is recorded.



**REGISTERED
HEREFORDS**

**Texas Well on Top as Leading
Hereford State**

TEXAS remains in a secure position as the No. 1 Hereford state, based on purebred registrations issued during the first six months of the current fiscal year.

Officials of the American Hereford Association announced that Hereford breeders in the Lone Star State recorded 27,211 calves during the period. Registrations for the six months hit a new record of 269,134, indicating an all-time high of approximately a half million for the fiscal year.

Nebraska breeders took over second position from Kansas with 19,451 registrations. Kansas breeders recorded 17,659 white-faced calves during the six months.

Missouri was in fourth place with 15,076; Oklahoma in fifth place with 14,881; Colorado in sixth place with 14,738; Montana in seventh position with 14,308; South Dakota in eighth with 12,598.

The total registration figure for the first half of the year included 32 certificates issued to breeders in the District of Columbia, 73 in the Territory of Hawaii and 213 in Mexico, Association officials said. All 48 states recorded an increase over the first half of the last fiscal year.

Recordings for the period in other states:

Alabama	2,717	New Hampshire	122
Arizona	2,032	New Jersey	111
Arkansas	6,070	New Mexico	4,699
California	6,478	New York	725
Connecticut	109	North Carolina	3,427
Delaware	56	North Dakota	7,248
Florida	850	Ohio	5,488
Georgia	2,021	Oregon	4,960
Hawaii	4,034	Pennsylvania	1,531
Illinois	6,634	Rhode Island	4
Indiana	3,485	South Carolina	1,682
Iowa	12,807	Tennessee	7,417
Kentucky	8,098	Utah	2,844
Louisiana	1,587	Vermont	38
Maine	458	Virginia	4,660
Maryland	963	Washington	3,140
Massachusetts	131	West Virginia	4,079
Michigan	2,309	Wisconsin	1,184
Minnesota	4,647	Wyoming	9,971
Mississippi	3,721		
Nevada	909		

**National Hereford Congress
Salina, Kans., June 12-13**

THE second annual National Hereford Congress, sponsored by the Kansas Hereford Association, will be held at Salina, Kans., June 12-13. Dr. A. D. Weber, Kansas State College, will give the keynote address.

Tom Taylor, president of the association, has selected three livestock and meat authorities to serve as moderators on the panel discussions. They are: Paul Gerlaugh, Ohio State Experiment Station, who will serve as moderator during the discussion on the purebred livestock business with special emphasis on type and size; D. L. Mackintosh, head of the meat research department, Kansas State College, who will preside over the panel discussions on meat and meat products; and Dr. A. E. Darlow, Oklahoma A & M. College, who will serve as moderator of the panel discussion on current problems facing the commercial cattle producer.

The Congress will include a carcass and type demonstration in which cattle of good type and quality will be compared on foot, on the rail and in cuts with cattle of poor type and quality.

Beef + Type

Introducing our first daughter of TT Proud Prince



FT PROUD PRINCESS 5th

Calved 12-21-49 • Weight at 15 months of age: 1040 lbs.

Our constant aim is to produce and make available to breeders and ranchers a beef type that combines all the characteristics which make the animal better able to produce more good beef from grass and grain more economically.

To further our program TT Proud Prince was selected because he possesses the type, thickness of flesh, ruggedness, good head, breed character, weight and the breeding to produce the right beef type.

We now have great enough numbers of his calves that are old enough to assure us TT Proud Prince is siring the right beef type.

TT PROUD PRINCE 4479278

WHR PRINCEPS 27th 3428749	WHR Princess Min. 2629496	WHR Prim. Again 27228111 Greta Mixer 2288169
	WHR Roy. Heir 924	Princess 2nd 2288169
	WHR Royal Flash 3127766	Dominio 5th 1980553
WHITE MT. FLASHET 3438926	WHR Patricia 20th 2462684	WHR R. Dom. 5th 2122530
		WHR Ow. G. 64th 2821097
		WHR R. Dom. 2d 1849068
		WHR B. Ow. 4th 1871946

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WALNUT SPRINGS, TEXAS

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"Dedicated to the Improvement of Herefords"

America's Top Hereford Bloodlines

LARRY DOMINO and WHR BREEDING



J.J. LARRY DOMINO 7TH HERD SIRE WHR ROYAL DUKE 107TH HERD SIRE



We are using top sires of Larry Domino and WHR breeding on our cow herd composed of carefully selected and rigorously culled individuals. The calves from these matings clearly reflect the great breeding behind them.

We invite you to visit us at the ranch any time.

DUDLEY BROS.

GAIL - TOM - ELTON — COMANCHE, TEXAS



FT MISCHIEF, herd sire

Average Area
Temperature
April, 1950: 71.8° F.



HEAD TEMPERED
Herefords

Herefords of TOP BLOODLINES
raised under practical conditions.

ACCLIMATED to hot climate

- At this time we are offering for sale 48 cows (34 with calves at side, rest to calve soon) and 12 bred heifers.
- At the top of our bull battery are FT Mischief (pictured) by Junius Mischief and Straus Royal Domino 1st by FT Royal Triumph, the Register of Merit sire owned by Straus Medina Hereford Ranch.

Southwest Texas Hereford Ranch
CARRIZO SPRINGS, TEXAS

EDWARD O. GARDNER, Owner

West Texas Hereford Tour May 16-17

D. H. "JEFF" JEFFERIES, tour chairman, announces that elaborate preparations are being made to entertain visitors attending the annual tour of the West Texas Hereford Association, May 16-17. The two-day tour will include 21 stops, at which some of the best Hereford cattle in the Southwest will be on display.

The first day's tour will begin at the Agricultural building east of the Taylor County courthouse in Abilene promptly at 8 o'clock. The first stop will be at Abilene Christian College, then on to the W. J. Fulwiler Ranch, Roy Largent & Sons and Hazel, Noddle Hereford Ranch and Mrs. Fay Young Morton's Y6 Ranch at noon where a delicious lunch has been promised. Then on to the Jay Pumphrey Ranch, Brown & Davis and the Swenson Ranches where cattle will be viewed while returning to Abilene.

Earl Guitar's Hardy Grissom Ranch will be the first stop on the second day. Then on to the Edgar Davis Ranch, the Merrick Davis Ranch, John Sedwick Hereford Ranch, Harvey Herring Hereford Ranch, R. A. Brown's Ranch and Tom Morris Ranch. Lunch will be served at Lake Throckmorton with Lee Atkinson and the Throckmorton Chamber of Commerce as hosts. After lunch the tour will continue to Johnny Keeter's Ranch, Lee Atkinsons, L. A. Howsley Ranch, Mrs. Hunt's Ranch, Billy Bob Watt and Arledge Hereford Ranch.

Texas-Oklahoma Hereford Association Meets

PAUL P. COLVERT, Wichita Falls, Texas, was elected president of the Texas-Oklahoma Hereford Breeders Association at its annual membership meeting held in Wichita Falls April 2. George D. Keith, Wichita Falls, was elected vice president; Max Carpenter, Wichita Falls, secretary; and Alf M. Miller, Wichita Falls, treasurer.

The following were elected to the board of directors: Henry Arledge, Seymour, Texas; J. S. Bridwell, Wichita Falls, Texas; Haskell A. Holloman, Frederick, Okla.; W. B. Hamilton, Wichita Falls, Texas; W. H. Hammon, Wichita Falls, Texas; Moas Patterson, Springer, Okla.; R. D. Payne, Waurika, Okla.; Lonnie Rooney, Wilson, Okla.

The association set the date for its annual sale as November 30 which will feature the get or service of some of the great herd sires of America, including Greenhill Larry 6th, grand champion bull in 1950 at the American Royal, reserve champion at Denver, and grand champion at Fort Worth in 1951; also the services of the highest selling bull, Hillcrest Larry 4th, owned jointly by Turner Ranch, Sulphur, Okla., and Chino Farms, Maryland. A competent sifting committee will be charged with the responsibility of selecting only cattle of exceedingly high quality.

At the 1950 sale 61 animals were sold for an average of \$1,721.

Have sold my cattle ranch, hence no further need for literature of this kind. I nevertheless enjoyed and attached considerable value to The Cattleman and were I to re-engage in cattle raising, most certainly would re-subscribe.—L. H. Weber, Bend, Oregon.

A GREAT SIRE PASSES ON

Leaving us a WELL BALANCED breeding herd



WHR PROUD MIXER 21st

Showing at these eight shows (Dallas, Kansas City, Denver, Fort Worth, San Antonio, Abilene, Iowa Park and Odessa) in the 1950-51 season sons, daughters, grandsons and granddaughters of the "21st" won the following: three championships, four reserve championships, 30 firsts, 18 seconds and 12 thirds.

At these four sales (Fort Worth, Abilene, San Antonio and Odessa) in the 1950-51 season sons, daughters, grandsons and granddaughters of the "21st" sold at the following averages:

10 bulls averaged \$4,805
3 females averaged \$1,508
13 head averaged \$4,044

THESE GREAT SONS ARE CARRYING ON FOR US . . .

HG
PROUD MIXER
579th

HG
PROUD MIXER
605th

HG
PROUD MIXER
11th

Mix more value in YOUR herd . . . get a Grissom Mixer bull to head it!

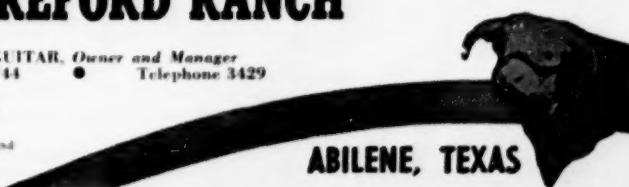
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FOR FOUNDATION . . .

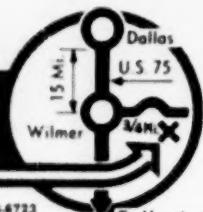
*A new Hereford breeder chooses daughters of
Plus Return 1st for breeding herd foundation*



Plus Return 1st—His sons and daughters are doing a top job in our herd and other herds. We are using one of his sons in our herd and his calves are outstanding. Plus Return 1st is owned jointly with Jones Hereford Ranch, Rhome, Texas.

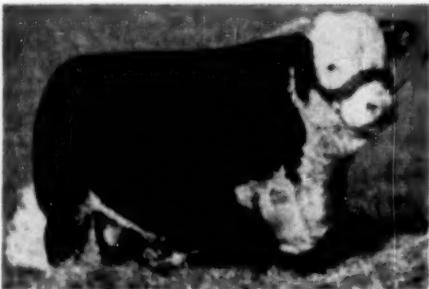
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To Houston

His Breeding, Individuality Promise TOP CALVES



Other herd sires: JHR Princeps Mixer, Plus Return 1st
Visitors cordially invited.

MW Prince Larry 67th

"The 67th" is a seven-eighths brother to MW Larry Domino 107th, owned jointly by Milky Way & Honey Creek Ranch. His pedigree shows five Register of Merit animals in the first two generations. Both his sire and dam are Register of Merit. His individuality backed up with this great breeding promises outstanding calves from his matings with our top cow herd.

and WHR Symbol 34th.

F.D. JONES HEREFORD
RHOME TEXAS



Organization of Cattlemen

Write for further information



in the interest of Cattlemen

410 East Weatherford, Fort Worth

Panola-Tate Polled Hereford Sale

SUMMARY

11 Bulls	\$ 89,700; avg.	\$ 8,154
39 Females	199,475; avg.	2,807
34 Lots	199,175; avg.	3,932

A NEW all-time high record for a consignment sale was established at the eighth annual Panola-Tate Polled Hereford sale, held March 27, at Senatobia, Miss.

The top sale price of \$42,000 was paid by Malone Ranch, Meridian, Miss., for EER Victor Anxiety, consigned by the Double E Ranch of Senatobia, to set a new all-time high for Polled Hereford bulls. This bull, an October, 1948, son of EER Victor Domino 22nd and a double bred Victor Domino 126th, was grand champion at Atlanta and at the Mississippi State Fair in 1950. He stood second only to the grand champion at the 1950 National show at Kansas City and was a member of the "best three bulls" class at Denver.

The second top bull, a September, 1948, grandson of Victor Domino 126th, consigned by the Glen Meadows Ranch, Hernando, Miss., sold to Spring Lake Ranch, Tupelo, Miss., for \$10,500.

EER Victoria Tone 12th, an October, 1948, daughter of EER Victor Domino 12th, consigned by the Double E Ranch, sold to Holly Springs Farm of Covington, Ga., for \$11,250 to record an all-time high for beef females. This heifer was grand champion female at the Mississippi State Fair in 1950, a member of the winning "get of sire" class in the National show in 1950 and at Fort Worth in 1951, and first in her class at Fort Worth in 1951.

Another Double E Ranch consignment was the second top female. Green Pastures, Elizabeth Town, N. C., bought this heifer, a September, 1948, daughter of RCM Advance Domino 3rd, for \$5,350.

The cattle went to 13 states and Canada. Buyers were present from Tennessee, North Carolina, South Carolina, Mississippi, Ohio, Georgia, Texas, Kansas, Louisiana, Illinois, Florida, Arkansas and Indiana.

Jewett Fulkerson and G. H. Shaw were the auctioneers.

Hereford Heaven Tour April 8

THE annual Hereford tour sponsored by the Hereford Heaven Association will be held Friday, April 8, to which Hereford breeders and others interested in seeing some top quality Herefords and visiting with outstanding breeders are cordially invited. Following is the itinerary of the tour:

8 A. M.—Harvey Hereford Ranch, Ada.
9:40 A. M.—K. P. Larsh, Roff.

10:45 A. M.—Turner Ranch, Sulphur.

12 Noon—Colvert Ranch, Mill Creek (Lunch).

2:15 P. M.—Coffey Ranch, Conner-

ville.

3 P. M.—O. H. Burnett, Ada.

4 P. M.—Horseshoe Ranch, Ada.

5:15 P. M.—Turner Ranch (Dinner).

A sale of Hereford cattle consigned by breeders in the Hereford Heaven area will be held at Turner Ranch beginning at 7 P. M. Four bulls and 29 females will be offered.

Thanks, you are doing an excellent job in putting out the old stand-by "The Daddy of Them All." —Herb McSpadden, Olagah, Okla.



MW LARRY DOMINO 80th
(Deceased)

You're
SAFE

WITH

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HEREFORDS**

An investment in Hammon Herefords is a **SAFE** investment in improved breeding for either commercial or registered herds. Good breeding practices with top individuals of outstanding bloodlines assure you real Hereford value and a sound "buy" when you select Hammon's Herefords. Our large breeding herd gives you a wide choice.

At present we offer serviceable aged range bulls and some very promising herd sire prospects. A number are by MW Larry Domino 80th.

"Get ahead with Hammon Herefords"

**HAMMON'S
HEREFORDS**

WAYNE H. HAMMON, OWNER
805 CITY NATIONAL BLDG.
WICHITA FALLS, TEXAS

Ranch located 6 miles east of Wichita Falls on Hwy. 287

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Time!**



the Sheriff Posse's Hat

A real cowboy's hat embodying the character of the true west. You'll wear it with distinction.

COLORS

Prairie dust, brown, maroon, blue, gold, green, and black.

ORDER YOURS TODAY!

Bulldogger crease. 3 1/2" brim. \$15.50 includes postage and shipping charges.



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Strictly hand-made Cow-
boy Boots. Officers Riding
and Field Boots. Special
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Large stock of hand-made
boots, sizes to fit every
foot. Prices from \$35 up.

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The PALACE BOOT
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and is famous for its ap-
pearance. If you want a
really fine pair of boots
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Colors and Designs to
Suit Your Taste.

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Measure Blank

The Cattleman — Subscription rates:
One year, \$2; three years, \$5; five years,
\$8; foreign, one year, \$4.



Hereford Quads Are Doing Fine

FOUR frisky white-faced calves and their proud Hereford mother are all well and doing fine at the Coffee Hereford Ranch, near Fallon, Nevada. The quadruplets, two bulls and two heifers, came into the world April 3 and immediately started packing on the pounds. The approximate odds on the birth of quads in the cattle world are three in a million. Dana Coffee, who owns the commercial Hereford ranch with his brother Merle, is shown above with the four little fellows. (Photo from American Hereford Association.)

Two National Hereford Shows

Offer \$45,000 in Premiums

PREMIAUMS totaling \$45,000 have been posted for the two National Hereford Shows to be held during the 1951 show season.

First event on the circuit of major livestock shows will be the Pan-American National Hereford Show, to be held in conjunction with the annual State Fair of Texas, at Dallas, October 6 to 21.

The second event carrying the national tag will be the Golden Gate National Hereford Show, at the Grand National Livestock Exposition in the Cow Palace in San Francisco, October 26 to November 4.

Texas Fair officials are making plans to carry the Hereford theme throughout the various departments of the fair. The fair attracted a record attendance of more than two million people last year.

Hereford enthusiasts in countries south of the border will be issued special invitations to attend the event through air lines and travel agencies serving the area. The show will offer Hereford breeders the opportunity to display the progress of the breed to visitors from both Central and South America.

The pre-Christmas schedule of major livestock shows will facilitate shipping without costly delays. Starting at Dallas, the show herds will move to the American Royal in Kansas City, the Cow Palace, the Ogden Show and a windup at the International Livestock Exposition in Chicago.

The two National Shows are being sponsored jointly by the Fair and Exposition managements and the American Hereford Association. State Hereford Associations in both Texas and California will cooperate in the two major show projects of the year.

All progressive ranchers read The Cattleman.

Bilt-Rite



BR PROUD MIXER, herd sire

The uniform excellence of the calves of BR Proud Mixer is again shown by the winning of reserve champion pen of five bulls at Fort Worth and 1st prize Junior get of sire at San Angelo. The quality and type of his calves is further evidenced by the winning of reserve champion bull at San Angelo by one of his sons.

Be Right!

**Buy
Bilt-Rites**



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SEYMORE, TEXAS

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Henry Elder
Secretary-Manager

TEXAS HEREFORD ASS'N

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We will help
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Up



Keep
Theft Losses
Down!

HEREFORD HEAVEN ASSOCIATION ANNUAL TOUR AND SALE

JUNE 8th



A grand champion steer bred and fed in Hereford Heaven

Tour Schedule-June 8

Harvey Hereford Ranch, Ada	8:00 A. M.
K. P. Larsh, Roff	9:40 A. M.
Turner Ranch, Sulphur	10:45 A. M.
Colvert Ranch, Mill Creek	12:00-Lunch
Coffee Ranch, Connerville	2:15 P. M.
O. H. Burnett, Ada	3:00 P. M.
Horseshoe Ranch, Ada	4:00 P. M.
Turner Ranch, Sulphur	5:15-Dinner

**Sale Friday Night, June 8
7 P. M. at Turner Ranch
Sulphur, Oklahoma**
Four Bulls ★ 29 Females
Top Herd Bull Prospects
An outstanding group of bred and open heifers

Consignors

Colvert Ranch	- - - - -	Mill Creek
Harvey Hereford Ranch	- - - - -	Ada
E. R. Harrison	- - - - -	Byers
Horseshoe Ranch	- - - - -	Ada
K. P. Larsh	- - - - -	Roff
Moss Patterson	- - - - -	Ardmore
Turner Ranch	- - - - -	Sulphur

Sale Starts — 7:00 P. M. — at Turner Ranch



For catalog and reservations write J. M. McClelland, Sulphur, Oklahoma

HEREFORD HEAVEN ASSOCIATION

SULPHUR, OKLAHOMA

Ask your Nocona Boot dealer to see the new, colorful styles of Nocona Boots—in stock or in the new Nocona Boot catalog. He'll be glad to show you. (If you don't find a Nocona Boot dealer in your community, write to us.)

NOCONA BOOT COMPANY
ENIO JUSTIN, Pres.
NOCONA, TEXAS

Benny Scott

BENNY SCOTT of Wills Point, Texas, has joined The Cattleman staff as livestock fieldman and will work with livestock breeders in all parts of The Cattleman territory. Scott served two and one-half years in the U. S. Navy as radio operator and graduated from Oklahoma A. & M. in May, 1949, with a degree in Animal Husbandry. He has been engaged in teaching a veterans agriculture class at Alex, Okla., since his graduation.

Scott comes to The Cattleman well recommended and we feel sure that he will be a valuable asset to our staff. He will work with breeders of all breeds of livestock and be available for assistance at livestock sales. Most of his time will be spent in the field visiting livestock breeders.

Red River Valley Hereford Breeders Sale

SUMMARY

37 Bulls	\$15,200	avg.	\$411
35 Females	19,230	avg.	547
42 Head	26,138	avg.	621

THE second annual Red River Valley Hereford Breeders Association sale held at Frederick, Okla., April 18 was made up of offerings from 19 members of the association and included some good quality animals from popular bloodlines.

The females out-sold the bulls with a top of \$1,250 paid by Ralph Bolen, Oklahoma City, for a February, 1950, daughter of Royal Essar 25th, consigned by J. F. Ferrell, Elgin, Okla. Bolen also paid the second top, \$1,200, for an April, 1949, daughter of The Prince Domino 200th from the Henry Payne herd, Chattanooga, Okla. She was bred to WGS Baron Rupert.

Damon Doye, Lawton, Okla., topped the bulls, paying \$835 for KTO Dan Domino 4th, by Jr. Dan Domino, consigned by Troy N. Kinder, Frederick, Okla. P. H. Boddy bid up to \$745 to get Supreme Domino 3d, a son of Mischief Supreme, consigned by H. E. Bain & Sons, Chattanooga, Okla.

Col. Jewett Fulkerston was the auctioneer.

No thief wants a cow that has already been branded.

A NEW HERD SIRE PROSPECT



WHR VERSION 17th—Calved January 23, 1950

MW Larry
Domino 4thLarry Domino 10th
Lady Mischief 2ndLarry Domino
Miss Supreme
Advanced Mischief
Mar Mixer DominoWHR Patsy
Domino 5thRoyal Domino 10th
Elton AsterRoyal Pr. Domino
Patsy Domino
Bess Aster
Flint

In keeping with our policy of adding the best available individuality and breeding to our herd, we have recently added WHR Version 17th, a top prospect secured from Wyoming Hereford Ranch.

We would be pleased to have you visit the ranch and see the top herd bull battery we now have along with our good cow herd.

STAN-DE RANCH

WATOVA, OKLA. on US 169, 7 mi. south of Nowata or 40 N.E. of Tulsa.

P. O. Shirley, 103 North Boulder, Tulsa 3, Okla. or Bruce DeWitt, At the Ranch, 4 mi. West of Watova
H. Ross New, Manager

Your brand is your coat of arms, but it is of little use unless it is recorded.



Officers of New Mexico Cattle Growers Association who were reelected at the annual convention held in Albuquerque: Left to right—Sherwood Culberson, Lordsburg, vice president; Ed Heringa, Clayton, vice president; Roy Forehand, Carlsbad, president; Hal R. Cox, Las Cruces, vice president; W. R. Thompson, Santa Rosa, vice president; Horace H. Hening, secretary.

New Mexico Cattle Growers Hold 37th Annual Convention at Albuquerque

THE 37th annual convention of the New Mexico Cattle Growers Association, held in Albuquerque March 26-27, was attended by more than 3,000 cattlemen and their families and was the most successful meeting ever held by the association.

Roy Forehand, Carlsbad, was reelected president as were the four vice presidents: Hal R. Cox, Las Cruces; J. S. Culberson, Lordsburg; Ed Heringa, Clayton; and W. R. Thompson, Santa Rosa. Horace H. Hening, Albuquerque, was renamed secretary for the eleventh consecutive term.

Albuquerque was selected for the 1952 convention.

Speakers on the program included governors from two states—Edwin L. Mecham of New Mexico and Dan Thornton of Colorado. Both called for economy in state and national government and a return to "the American way of life."

Dr. Waldo E. Stephens, Oklahoma City oil executive, spoke on the "International Crisis on the Home Front" and said a national policy of withdrawal to this hemisphere would be "utter disaster" for the U. S. yet, he said, the United States cannot underwrite all of the worth while goals in the world because this would create too great a drain on our economy.

Allan B. Kline, president of the American Farm Bureau Federation attacked the federal administration's price control program, warning that it would reduce production at a time it was needed most.

Ralph Trigg, administrator of the Production and Marketing Administration, U. S. D. A., said abundant production is the best way to minimize needs for controls, but that in time of extreme emergency some controls are inevitable. He said he favored putting emphasis on big production and would use controls only as a last resort when a situation cannot be handled in any other way.

Other speakers on the program included Ferrington R. Carpenter, Hayden, Colo., and Miss Rita Campbell, nutrition specialist, National Live Stock and Meat Board.

The association adopted 16 resolutions, prefixed by a statement of Americanism in which Congress and the President of the United States were petitioned to outline a policy and to establish certain definite principles indicating the extent to which this nation will attempt to control through military influence 1, the protection of this nation and the hemisphere against aggression; 2, to prevent the growth of Communistic influence throughout the world; and 3, a program consistent with the economic stability of the U. S. over a long time period.

Opposed imposition of price controls and the granting of subsidies as an incentive to obtain production.

Urged that Congress dispense with payments under the Agricultural Adjustment Act and other agricultural grant-in-aid laws until the end of the present emergency.

Congratulated the Joint Commission and officials engaged in the eradication of Foot and Mouth disease in Mexico on their success to date, but expressed fear that the disease may not yet be entirely eradicated and urged that there be no let up in vigilance until the disease is definitely stamped out.

Requested that Congress resist any effort by the Internal Revenue Department to nullify the recent capital gains tax court decision and that Congress amend the code so as to confirm said decisions as applying to all breeding stock.

Recommended that all federal lands be placed in the Department of Interior.

Urged that in any reorganization of the Department of Agriculture, the Bureau of Animal Industry be left intact.

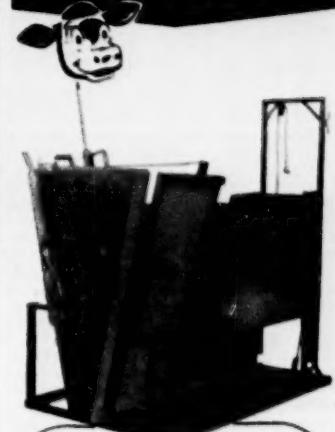
Asked fair and equitable consideration for ranch and farm labor in calling men into the military service.

Urged that district judges be more strict in punishing cattle thieves in order to protect the livestock industry.

Opposed any further increase in current federal automotive and gasoline taxes.

Approved acceleration of programs of highway construction and maintenance.

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Technical Training at Texas Tech

TEXAS Technological College, as its name would imply, is equipped with vast facilities for technical training. This technical training gives the student actual practice and experience coordinated with the latest theories.

This technical training extends from the obvious phases in, for instance, the textile engineering department, to the less obvious training in music and speech.

Tech's textile engineers enjoy equipment necessary to completely process cotton from the plant to the finished product. This laboratory experience amounts to "on-the-job" training and benefits the student greatly when he goes to work for a textile mill.

And, speaking of textiles, the new home economics building will provide equipment to teach students to determine good cloth from inferior. Not only will these students benefit from this training, but the resulting knowledge can be of great service to operators of textile mills and the consumers themselves.

For instance, the new textile-testing equipment will include a laundrometer, a fadometer, tensile tester and a shrinkage gauge.

These departments and their facilities are only examples of what Tech has to offer in the way of technical training. All the other departments at Tech provide the same facilities in varying degree. The overall plan for the entire college is to impart actual skills, and at the same time, furnish the theory and background.

In this matter, students are encouraged to experiment—that is, to run actual tests to examine the theoretical aspects and determine whether they are practicable.

As in World War II, Tech has laid the ground work for a "re-tooling" in the event of another global conflict. Men and equipment have been surveyed, this information coordinated and evaluated so as to determine Tech's best contribution to the war effort.

As an example, take the department of journalism, its equipment and personnel. While it may not immediately be apparent just what contribution the journalism department could make to the war effort, a closer examination brings out many latent possibilities.



BRAHMANS FOR SALE

Offering about 50 registered American beef-type Brahman cows, many with calves at side, others bred to calve this year, some yearlings and open two's. Priced according to age and quality from \$550 up. A rare opportunity to start a registered herd with quality cows instead of culs. These cows carry the top bloodlines from Sartwelle, Hudgins and Jacobs herds.

Correspondence and inspection invited.

Shown by Appointment.

BROWNLEE *Brahman Ranch*

ROUTE 2, BURNET, TEXAS

Ranch located 2 miles south of Burnet on
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Telephone: 2413, Marble Falls, Texas

Modern warfare is a complex thing, a scientific struggle with every weapon being used, whether a gun or propaganda. The journalism department could make a notable contribution in educating soldiers and civilians in propaganda methods of the enemy, psychological warfare and public relations.

It would be impossible to list the contribution each department at Texas Tech could make in case of a future war. However, these conflicts now have so many facets, that each branch of education could be fitted in to advantage.

The arts and sciences division is important for many reasons: Instruction in chemistry, physics, methods of instruction, foreign languages, and others too numerous to mention.

The Business Administration Division would be important because of the knowledge of logistics, the know-how of transporting men, equipment and food.

The Agricultural Division would have to teach how fewer farmers could produce more food, both for the armed services, for civilians, and for areas the U. S. might conquer.

Engineering knowledge is applicable without fundamental change both in peacetime and war. Engineers are indispensable for a complete war effort.

The Home Economics Division also would play an important part—how to prepare new foods on the market, necessitated by shortages; how to plan a healthy diet, and many others.

Technical training, supplemented by cultural training, is the necessary impetus to American production, and American production is one of the most important guardians of our present way of life.

ATTENTION!

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CHARBRAY BULLS

Two Year Old Bulls

Yearling Bulls

Will Accept Orders For This Year's Calves



PECKHAM STOCK FARM

COMFORT, TEXAS

Also: Five Registered Yearling Bulls,

\$190 Each

Hereford Registrations Set New World's Record

HEREFORF breeders over the nation set a new record in registrations during the first six months of the current fiscal year.

Nearly a quarter million white-faced calves were given purebred certificates during the period, an increase of 31,485 over the registrations issued for the first half of the last fiscal year.

If the volume of registrations issued during the past six months maintains the same pace during the next six months, registrations for the year will approximate a half million, according to officials of the American Hereford Association.

Registrations during the last fiscal year totaled 426,971, to establish a new world's record for a breed association. The total represented an increase of 56,956 registrations over the previous fiscal year. The figure was nearly three times the total registrations of all other beef breeds combined.

The increase so far this year is 3,317 over the increase for the first six months of the previous fiscal year. Registrations issued during the first half of the current fiscal year total 242,403.

Transfers, representing sales of registered Herefords at auction and by private treaty, scored the largest hike in history during the first half of the current fiscal year. Transfers increased by 43,338 over the same period of last year to boost the total for the six-month period to 183,754.

To Establish Memorial Fund For R. Pryor Lucas

DIRECTORS of the South Texas Hereford Breeder-Feeder Association, at a meeting held in Beeville April 12, decided to establish a memorial fund to be used in memory of the late R. Pryor Lucas, who died suddenly in Oklahoma City in March. Lucas had long and faithfully served the South Texas Hereford Breeder-Feeder Association as president and director and had given unselfishly of his time in his associations with cattlemen of Texas and the Southwest.

The memorial fund will be used to encourage young stockmen who are interested in improving their Hereford cattle, Volmer Roberts, president of the association, said.

Dr. and Mrs. Scott E. McNeill, Sr., made the initial move in establishing the memorial fund when they announced at the meeting that they will place a top Hereford bull in the auction at the fall sale, October 30, and give the proceeds to the memorial fund. Dr. McNeill said he would make the donation an annual event as long as he lives. Other cattlemen have indicated they will help in the project.

A committee composed of Dr. McNeill, A. C. Jones, Pat Handy and Bob Webb was appointed by President Roberts to work out plans for using the fund to best advantage.

Bull calves are carried by the cow an average of two days longer than heifer calves, according to dairy livestock specialists at the University of Wisconsin.

TO TERMINAL PUBLIC LIVE STOCK MARKETS

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Tucson Quarter Horse Show

By RICHARD SCHAUER

SENOR BILL, an eight-year-old son of the old Texas bred and raised horse, Chicaro Bill, was chosen grand champion Quarter Horse of the 16th annual Tucson show. Senor Bill is one of over 80 AQHA registered get by 20-year-old Chicaro Bill, who is still siring good ones. Senor Bill is a double A running horse at every distance, still holding the stallion record for 330 yards. He has been retired from racing and is now making a first rate steer roping horse for his owner, Franklin Cox, Chandler.

Judge Bill Lamkin, Westminster,



Linda Mujer, grand champion mare, Tucson Quarter Horse Show, owned by Jay Parsons, Benson, Ariz.

Calif., placed an Oklahoma-bred horse, J. B. King, a three-year-old son of Harmon Baker's Star, as reserve champion. J. B. King is owned by Jay Parsons of Benson, Ariz., who also took the honors in the mare championship with Linda Mujer, a dun by Star Deck. She had previously won the brood mare class and has been the top in many other southwestern shows. Reserve went to Bar Delta, owned by Art Pollard, Tucson. Bar Delta is by Three Bars, a Thoroughbred, many of whose best colts are appearing on the short tracks. Sidney Vail, Douglas, owner of Three Bars, was pleased when colts by his horse won the first three conformation classes of the show. Besides Bar Delta, Vail's own Bar Man won the yearling colt class and Bar Hug, owned by A. R. Eppenauer, Marfa, Texas, won the two-year-old class. Bar Hug later on went out to win the hackamore class.

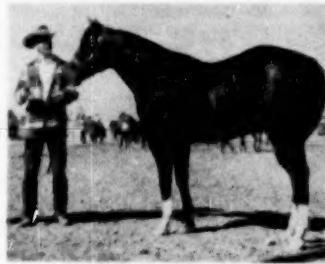
Little Egypt, a chestnut by Texas Dandy, by My Texas Dandy, the latter sire of many high class short speedsters of a decade ago, won the two-year-old filly class and then went out the next day to win her 330-yard race at Billito in 17.5, to qualify handily for the Southwestern Futurity. She is owned by Finley Ranches, Gilbert, Ariz.

Tonia T won the three-year-old filly class for Mrs. Rose Fulton, Dragon, Ariz. Tonia T is a dun by Texas Tom P. Hula Girl, by Ed Echols, won the mare class for her owner, Art Pollard.

Tucson, placing over Little Bit L, Blain Lewis' chestnut by Charlie Hepler. Both these mares have been raced in some high class company.

In the stake race, a popular feature in Arizona shows, Eldon Smith, Central, rode his V. F. Traveler to win first money in the \$500 plus entry fees, event. From another strictly range cattle and horse outfit, Lyman Tenney, Willcox, won the calf-roping horse class on Browning's Billy The Kid, a Quarter Horse stallion by Billy Byrne. Both are owned by Ernest Browning, one of the AQHA founders. Tenney is his son-in-law.

In the cutting horse contest for a \$1,000 purse, plus entry fees, Tucson had the best array of cutting horses yet seen in an Arizona show arena. There were 25 entries. A Texas horse finally won the event after qualifying rounds—Caesar's Pistol, ridden by Jim



Senor Bill, grand champion stallion, Tucson Quarter Horse Show, owned by Franklin Cox, Chandler, Ariz.

GRAND CHAMPION STEER*



"Triumph's Ace" by TT Royal Triumph, our Register of Merit Herd Sire. This champion was shown by Louis Royat, San Antonio, Texas.



"As Good
As
They Come"

*1951 Houston
Fat Stock
Show

This champion steer pointed the way to ranchers and Hereford breeders who want to transmit into their own herds the flushing ability that enabled this steer to win top honors at one of the strangest steer shows in America. This flushing ability along with the right type and conformation of his sons and daughters has placed TT Royal Triumph in the highly coveted Register of Merit list. This signal honor is shared with only one other living Texas-owned bull. Herd sire sons of this bull are doing excellent jobs in outstanding herds. We would be pleased to have you visit the ranch and look over our good Herefords.



STRAUSS Medina
HEREFORD RANCH San Antonio, Tex.



J. R. Strauss • David J. Strauss • Joe Strauss, Jr. • H. A. Fitzhugh, Mgr.



Caesar's Pistol, champion cutting horse, Tucson Quarter Horse show, owned and ridden by Jim Calhoun, Cresson, Texas.

Calhoun, Cresson. Another Texas horse took second money, too—Phil Williams, Tokio, on Skeeter, the cutting champion of many shows. Third and fourth, a tie, went to Buster Welch, Watrous, N. M., on Chickashaw Mike, and to Ed Bowman, Falcon, Colo., riding his Sonny Boy. Hank Alrich, veteran cutting horse trainer from Phoenix, judged all the performance events.

Bickett Elected President at San Antonio Exposition

E. W. (GENE) BICKETT was elected president of the San Antonio Livestock Exposition, Inc., at its annual Board of Directors' meeting held April 12. Bickett has served the exposition as its vice-president and is manager of the Bexar County Coliseum in which the annual show and rodeo is held. He succeeds Perry Shankle, who headed the exposition through its first two very successful shows. Joe Freeman was re-elected chairman of the Board of Directors and Mark L. Browne was re-elected first vice-president. W. M. Thornton succeeds George T. Maggard as second vice-president and Lucian T. Jones was re-elected treasurer of the Exposition.

Six members elected to the executive committee to serve with the above named officers are R. H. Friedrich, Perry Kallison, Jess McNeil, R. Beal Pumphrey, Fred Shield and Joe Straus.

At the annual membership meeting held immediately preceding the Board of Directors' meeting, 24 new members were elected to the Board of Directors, making a total of 270 directors serving the Exposition. Members also heard the annual report given by James F. Grote, secretary-manager, pointing out the rapid growth that the San Antonio Show has made during its first two years.

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NEW ELECTRIC DEHORNER

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Permanently removes horn buttons. Clean, bloodless, quick—easier to hold or restrain. Eliminates bleeders, open sores, infections. Makes handling of cattle safer, easier. Approved by Herd Owners, County Agents, Schools, Underwriters Laboratories, 110 volts.

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MUELLER BUILDING DENVER 2, COLORADO

Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Sec'y, 410 East Weatherford St., Fort Worth.

San Angelo ANGUS Sale



Be sure to see this consignment

- * 40 YEARLING HEIFERS.
- * 15 BIG COWS with Nov. and Dec. calves at side. All of these females will be bred to bulls siring good calves for us.
- * 12 TWO-YEAR-OLD HEIFERS with calves at side.
- * ONE REGISTERED BULL, 18 months old.

June 6th, San Angelo, Texas

MARVIN COUEY GARDEN CITY TEXAS



Stuart

SELLING 5 GOOD BULLS

JUNE 6th San ANGELO JUNE 6th
ANGUS Sale

- ★ 2 sired by a grandson of Prince Sunbeam 29th
- ★ 1 sired by a grandson of Envious of Blackcap B 6th
- ★ 2 bred by Tarkio Ranch—these owned jointly with H. G. Whitaker

G. I. STEADMAN LIPAN ANGUS FARM EOLA, TEXAS



FOR SALE

At this time we are proud to offer a carload of top yearling bulls for sale.
They are good.



Farms located 3 and 6 miles west of Estelline on State Hwy. 86

C. A. RAPP & SON ESTELLINE, TEXAS

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Breeders Report Excellent Results from Advertising in *The Cattlemen*.

Texas Aberdeen-Angus News

By TOMMIE E. STUART
Secretary-Treasurer, Texas Aberdeen-Angus Association

UPON assuming the duties as secretary-treasurer of the Texas Aberdeen-Angus Association, I was amazed at the size of the position. The responsibility and work is tremendous, and the surface has hardly been scratched. It is surprising how the Association has gotten along without a full-time secretary, until you are acquainted with the breeders and learn the background and history of the Association. The most wonderful spirit of cooperation exists among the breeders and every breeder is a missionary and salesman of Aberdeen-Angus cattle as a breed.

Commercial herds of Angus are increasing in number and size as fast as cattle are available. Therefore, our attention must be focused on the commercial breeder because that is the ultimate end of our registered breeding program. At the same time the breeder of purebred Angus has the great responsibility and pleasure of breeding cattle that will produce and sire the type steers demanded by the packer and housewife. This, of course, demands special attention on the part of the Association and the individual breeders. This is the first link in our chain of successful reproduction.

Aberdeen-Angus cattle have established a permanent root system in the soils of this state from the Piney Woods section deep in East Texas to the irrigated valleys of El Paso, and from the Gulf Coast area to the Texas Panhandle. They are here to stay. With proper care and wise handling these root systems will multiply rapidly into the type individuals so much in demand.

As a breed our path has been cleared and our route is plainly marked. We can travel as fast as we desire, but must be careful to stay on the road and observe all caution signs. The first caution I see is to "keep the entire caravan moving together." If any part is left behind we lose strength and enthusiasm. All breeders, whether registered or commercial, must be kept on the move. At the same time our Texas Aberdeen-Angus Association must move with our individual breeders. To accomplish this we must be ever alert, keep the same cooperative attitude, all members keep current and their dues paid, and each member be instrumental in securing new members. If these are all carefully done, you can write your own ticket as an Angus breeder.

As secretary-treasurer of the Texas Aberdeen-Angus Association I want to extend my whole-hearted cooperation to the other breed associations, agricultural colleges, agricultural newspaper editors, and agricultural magazines on all matters pertaining to the advancement of agriculture and the beef cattle industry.



San **ANGELO**
ANGUS
Sale

50 BULLS *Seventh Annual* **3000 FEMALES**

Aberdeen-Angus Distribution Sale San Angelo, Texas

WEDNESDAY, JUNE 6th
3000 FEMALES

GRADE COWS and CALVES — COWS, HEIFERS Bred and Open

50 REGISTERED BULLS

15 Months of Age or Older • Range and Herd Bulls, Ready for Work

From these herds:

Bill Kendall	George West, Texas	R. H. Jackson	Christoval, Texas	Albert Thane	Haskell, Texas
El Rancho Shangri La	Denton, Texas	C. A. Rapp & Son	Estelline, Texas	J. Spurgeon Reeves	Hawley, Texas
Clair Gannon	Italy, Texas	J. E. Morgan	Alice, Texas	L. E. Wilhite	Lueders, Texas
G. I. Steadman	Eola, Texas	R. E. Wood & Sons	Santa Anna, Texas	Happy Shahan	Brackettville, Texas
T. D. Williams	Jackboro, Texas	Paul H. Fischer	Haskell, Texas	James C. Tucker	Fairland, Texas
Clyde & Merrilla Bradford	Happy, Texas	Luther T. McClung	Fort Worth, Texas	Dunraven Ranch	

Sale will be held at the San Angelo Livestock Auction Co. Pavilion

Sale starts promptly at 10:30 A. M.

Sponsored by

TEXAS ABERDEEN-ANGUS ASS'N

Jess Alford, President, Paris, Texas

Tommy Stuart, San Antonio, Texas

Sale Committee: Clyde Bradford, Happy, Texas; Henry Moore, Veribest, Texas; J. L. Hill, Jr., Stamford, Texas.

For Catalog write J. L. Hill, Jr., Sale Manager, Stamford, Texas.

HIS SON SELLS

Alford's Quality Prince

**San ANGELO
ANGUS
Sale**

JUNE 6th

We will sell an outstanding herd bull son of the good old Quality Prince bull, at the San Angelo Angus Sale, June 6th.

You should really visit the farm and study this herd bull pride of the sale.

ALFORD'S Angus Farms PARIS TEXAS

Frank Isom, Manager • JESS ALFORD, Owner • J. C. Isom, Herdsman

SELLING TWO TOP BULLS
**San ANGELO
ANGUS
Sale**

JUNE 6th

- BURGESS 266th, calved 6/4/49, sired by Burgess Eric 10th, one of the good sons of Prince Eric of Sunbeam out of Miss Burgess 173rd by Revelation 11th, he by Revolution 7th.
- PRINCE SUNBEAM 508th, calved 2/23/48, sired by Prince Sunbeam 203rd out of Owen 122nd of Sunbeam. Four International Grand Champions show in his pedigree. We are selling him only because we now have Prince Evans in our bull battery.

★ Our congratulations to Joe Wood Mote who showed an Angus steer from our herd to the grand championship at the 16th Plainview Fat Stock Show marking the first time this honor has gone to an Angus in the history of this show.

Bradford's Registered ABERDEEN-ANGUS Cattle
CLYDE E. BRADFORD and MERRILL BRADFORD, Owners Address Route 2 Happy Texas
Bench Located 1½ miles west of Kellie Switch, off U. S. 87, halfway between Tulia and Happy

We Invite Your Consignment of
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ANGUS
Sale** Angus Females
JUNE 6th
San Angelo
Livestock Auction Co.
P. O. Box 242 Phone 8134
San Angelo, Texas

Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Secretary, Fort Worth.

Keillor Ranch and Black Gold Angus Farms Sale

SUMMARY

13 Bulls	\$10,245; avg.	778
67 Females	45,900; avg.	728
59 Lots	59,855; avg.	738

THE annual production sale of Keillor Ranch, Austin, Texas, and Black Gold Angus Farms, Robert Lee, Texas, was held April 7 in the new sale barn at the Black Gold Angus Farms.

Topping the sale at \$2,700 was Everta Elina 2nd, a two-year-old granddaughter of Prince Eric of Sunbeam, owned by Black Gold Angus Farms. She sold to Oak Stock Farm, Lampasas, Texas. The second top female was another granddaughter of Prince Eric of Sunbeam, Burmese Princess, also owned by Black Gold Angus Farms. She went to Jess Alford of Paris, Texas, for \$1,850.

Stoneybrooke Ranch, Ada, Okla., paid \$1,700 for an August, 1949, granddaughter of Prince Sunbeam 15th, owned by Keillor Ranch.

The top-selling bull was Prince Keillor 7th, a September, 1949, grandson of Prince Sunbeam 15th, owned by Keillor Ranch. He sold to R. L. Chaney of Moody, Texas, for \$1,700. The second top bull, a three-year-old son of Prince Sunbeam 29th, owned by Keillor Ranch, sold to Riggs and Barnett, Lubbock, Texas, for \$1,200.

The cattle sold to buyers from Texas, Oklahoma, and Arkansas.

Colonel Ray Sims was the auctioneer.

Fooks Angus Sale

SUMMARY

10 Bulls	\$12,500; avg.	\$1,250
32 Females	44,325; avg.	1,380
42 Lots	58,825; avg.	1,401

THE first annual production sale of the Fooks Angus Farms, Camden, Ark., was held March 26 at Little Rock.

Top prices were paid for the get of Prince Revolution A Bar A, he a son of Prince Sunbeam 44th. The top price of the sale, \$4,100, was paid by Angus Valley Farms, Tulsa, Okla., for a May, 1949, daughter of this bull. Birdeye Angus Farm, Birdeye, Ark., bought an October, 1948, daughter of the same bull for \$2,650.

The top-selling bull, a four-year-old son of Prince Revolution A Bar A, went to Billy Don Huggins, Ozark, Ark., for \$3,025. L. A. Sloan and Sons paid \$2,000 for a June, 1949, grandson of Prince Revolution A Bar A.

Three other females topped the \$2,000 mark, going to Blissful Farm, Marianna, Ark.; Sunbeam Farms, Miami, Okla.; and George Graham, Wichita Falls, Texas, for \$2,500, \$2,400, and \$2,200, respectively.

The cattle sold to eight states: Arkansas, Louisiana, Texas, Oklahoma, Kansas, Missouri, Kentucky, and Mississippi.

Colonels Johnston and Sims were the auctioneers.



Aberdeen-Angus Breeders Futurity Sale August 4

At a recent meeting of the board of directors of the American Aberdeen-Angus Breeders' Futurity, plans were formulated for the forthcoming sale to be held August 4, 1951, at Keeneland Race Course, Lexington, Ky., in conjunction with the Futurity Show.

The sale committee, composed of Jay P. Walker, Elliott Brown, A. H. Spitzer, Jr., and Kenneth Litton, voted to hold the Futurity Sale on a basis similar to the International Show Window Sale with a pre-sale show to be staged at 9:00 A. M., August 4. Of all the Futurity eligible cattle catalogued, the top ten bulls and top forty females, as rated by the judges, will make up the Futurity Sale to be held that afternoon, with the remainder of the cattle selling afterwards. Freeman Keyes, W. M. Barton and J. B. McCorkle have been invited to judge the pre-sale show, although judges of the actual Futurity Show will not be announced until the day of showing.

Only cattle that are eligible for the Futurity will be accepted for the Futurity Sale. However, all cattle entered for the show do not have to sell.

Aberdeen-Angus Transactions

A. W. Hill of LaPorte, Texas, sold three cows to H. P. McAlister, a bull to Wilburn Bros., and a cow to J. B. Holloway, all of Baytown, Texas.

Sam Houston State College sold a cow to Ray Epps, both of Huntsville, Texas, and two cows to Betty Haralson of Trinity, Texas.

Dr. N. A. Brown of Cisco, Texas, purchased five cows from V. Holcomb of Graham, Texas.

Bluff Valley Farm of Tehuacana, Texas, sold three cows to Jack Linder of Hubbard, and a bull to R. E. Lynch, Jr., of Teague, all of Texas.

C. D. Elledge of Scroggins, Texas, purchased five cows from Ralph Lanier of Douglassville.

Northwest Oklahoma Cattlemen Meet in Woodward May 10

THE Northwest Oklahoma Cattlemen's Association will hold its sixth annual meeting at Woodward May 10, it was announced by John Chenoweth, secretary of the association.

A program will be held in the afternoon at which prominent speakers will discuss problems of the day, which will be followed by the election of officers for the ensuing year. A free barbecue and entertainment will wind up the meeting.

At a meeting held recently in Cheyenne, S. S. McColgin, Reydon, was named on the board of directors of the association to replace J. Warren Chalfant, Cheyenne, who was called to active duty in the U. S. Army, and Peck Shewey, Fairview, was reelected a director at meeting sponsored by Major County members.

Hal Cooper, Ft. Supply, vice president of the association, was elected a director of the Texas and Southwestern Cattle Raisers Association at its recent convention in Dallas. Cooper will be advanced to the presidency of the Northwest Oklahoma Cattlemen's Association at its meeting in May.

No thief wants a cow that has already been branded.

We are consigning
a top, two-year-old
Eileenmere-bred bull
to

We believe you
will like him

**San ANGELO
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Sale**

JUNE 6th

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Registered and Commercial

ABERDEEN-ANGUS CATTLE

LOCATED 5 MILES NORTH OF FORT WORTH STOCK YARDS, 2 MILES EAST OF SAGINAW
RAYMOND BARTON, Manager



One of our herd bulls. Prince Sunbeam 300th, son of the International Grand Champion, Black Prince of Sunbeam, and International Grand Champion, Barbara of Rosemead 100th.

SELLING
TWO GOOD
Service Age Bulls
At
San Angelo
JUNE 6th

- One is a double bred Sunbeam bull.
- The other is Eileenmere bred.

A few registered bulls and cows for sale at the farm

SONDRA-LIN STOCK FARM

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Owner

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2620 Stadium Dr., Ft. Worth 4, Texas • At the ranch: Jack Cross, Mgr.; Wid Crawford, Asst. Mgr.

NO PRICE HIKE!
Same Fine Quality

BAKU
\$12.50

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\$10.00

Your Choice of Brim Sizes

3" 3½"

OUR HATS ARE NO
ALWAYS ON TOP C.O.D.

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THE RANCH ROOM

Registered **BURDIZZO** Trade Mark

BLOODLESS CASTRATOR

No danger of infection.

Minimize your losses at marking time. BURDIZZO marked stock thrive better. Rapid, sure, humane.



The O. M. Franklin Serum Co., Denver

Sole Makers, LA "BURDIZZO" CO.
Corso Sebastopoli 187 — Turin (Italy)

Breeders Report Excellent Results from Advertising in The Cattlemen.

ARDMORE ANGUS

Our Consignment

Southern Oklahoma Angus Breeders Sale ARDMORE, OKLAHOMA

MAY 14th

★ 15 Registered Cows

- One Lucy cow with calf at side.
- One Georgiana cow with heifer calf at side, calf a granddaughter of Black Prince of Sunbeam.
- One Witch of Endor cow with bull calf at side by Quality Prince 17th.
- One Edwina with heifer calf at side.
- One Zara-bred heifer, sells bred to a son of Eileenmere 487th.
- Ten other top foundation females all popular bloodlines. Will have some for everybody.

★ 20 Commercial Cows With Calves

at Side-3 to 7 Years Old

STONEYBROKE ANGUS

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Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Sec'y, 410 East Weatherford St., Fort Worth.

Cattle-King Horse Show

RAY FLOWER DAUGHERTY, owned by Curley Daugherty, Olton, Texas, was made grand champion mare at the Ninth Annual Cattle-King Horse and Colt Show at Paducah, April 20 and 21. For reserve champion mare W. R. Cooper of Seymour selected Pretty Me, owned by the Three D Ranch of Arlington. He picked King Adair owned by Billy Craft as the grand champion stallion. Preacher G., owned by Pat Slavin, Clarendon, was made reserve champion stallion.

Sniper W., owned by Three D and ridden by Pine Johnson, was champion in the senior cutting horse contest. Cricket, owned by Alida Sage, Sheridan, Wyoming, and ridden by Raymond Wood, placed second. Cindy, owned and ridden by Fred Albright, Knox City, placed third.

White Man, owned and ridden by Son Reed, Iowa Park, was grand champion reining horse. In the Junior Cutting Horse contest Hollywood Snapper, owned by Dr. D. G. Strole, Abilene, and ridden by Jim Trammell, placed first; with Joe Henry, owned and ridden by Nancy Bragg, Tulsa, Oklahoma, second. Gillians Attaway, owned and ridden by John Wisdom, Haskell, was third.

In the boys' saddle horse class, Sammy Wright of Paducah placed first with Buddy; Don Hollar, Guthrie, was second on Jiggs, and Dusty Bateman, Knox City, placed third on Winnie.

Cecil Lynn Townley, Paducah, age 11, won first in the children's saddle horse contest. Jim Bateman, Knox City, age 10, on Craw Dad, won second; and Cuz Albright, aged 11, Knox City, placed third on Blue Darter.

In the Cowgirls Sponsor's Contest Miss Juanell Ward, Dougherty, VT Ranch, won first with time of 29.3. Miss Nancy Bragg, Tulsa, won second in time of 30.0; and Miss Jackie Worthington, Jackshoro, placed third in 30.8.

Brangus and Brahman Field Day at Grenada, Miss.

ABOUT 2,500 persons thronged the beautiful and elaborately improved Southern branch of the Clear Creek Ranch, Grenada, Mississippi, March 31 for the Brangus-Brahman field day.

This was one of the largest and most sensational field days to be held in Mississippi. Cattle breeders and cattle enthusiasts from Oklahoma, Texas, Arkansas, Tennessee, Louisiana, Illinois, Missouri, and Mississippi were present. A chartered flight brought several cattlemen and friends of Messrs. Buttram and Pope from Vinita, Oklahoma, to Grenada for this field day.

Clear Creek Ranches are owned by Frank Buttram, Oklahoma City, and Raymond Pope, Welch, Oklahoma. Their Southern branch was known for many years as Glenwilde Plantation.

To add to the interest of the demonstrations, Edgar Hudgens of Hungerford, Texas, and Welch, Oklahoma, brought his show string to Grenada on their return from a very successful show circuit in Florida, where their cattle commanded many blue and purple awards. The Butram-Pope show herd of Brangus had gone direct to the Mississippi ranch from the San Antonio Livestock Exposition.

Two classes of Brahmans and two classes of Brangus were judged in the judging contest. The contest was conduct-

SOUTHERN OKLAHOMA ABERDEEN-ANGUS BREEDERS ASSOCIATION

**ARDMORE
ANGUS**

Second Annual Sale - Selling

170 HEAD ★ **150 HEAD**
of Registered Angus ★ of Commercial Angus



MAY 14th, Ardmore, Oklahoma

Sale Barn Located One Mile South of Ardmore on Hy. 77

JUDGING AT 8:00 A. M.

THE REGISTERED CATTLE

50 BULLS, 120 FEMALES, including COWS, COWS and CALVES, bred and open heifers from these families: Jilts, Georgianas, Witches, Zaras and others.

Consignors

Carlton Corbin	Fritch	A. Floyd	Ada
Bill Barber	Ada	W. H. Hissem	Tulsa
Gay Sherrill	Ada	D. B. Ladd	Marlow
Neustadt Brothers	Ardmore	Wilbur Olive	Ada
J. S. Noland	Ardmore	Curtis Floyd	Cecilgate
Clarence Burch	Ravin	Mrs. Joe M. Brown	Caddo
Allie K. Sturm	Ardmore	Odell G. Daniel	Stillwater
Lent Hulse	Hendrix	J. L. Delaplain	Borden City
Hal Owen	Yukon	Wigley & Corbin	Ada
W. H. Hough	Sherman	W. Wyatt	Briarwood
Clayton Cook	Lawton	C. E. Powell	Walter
J. R. Stevens	Durant	E. C. Lindsay	Fort Gibson
W. B. Daugherty	Tishomingo	S. M. Gragg	Chandler
Charway Angus Farms	Seminole	James Dillard	Ringling
Dwain Penner	Mill Creek		



SALE STARTS AT 10:00 A. M.

The Commercial Cattle

150 HEAD OF GOOD COMMERCIAL ANGUS CATTLE, OPEN HEIFERS, BRED HEIFERS, COWS AND CALVES AND BRED COWS. A real choice group selling in lots to suit your needs.



Banquet and Entertainment

On May 13, the night before the sale, at the Lake Murray Lodge, Ardmore, a banquet, featuring entertainment, will be held for breeders and cattlemen visiting and attending our sale. We invite each of you to be present. Come and enjoy this nice event with us in our beautiful lodge located just south of Ardmore.

Ray Sims, Auctioneer • George W. Kleier for THE CATTLEMEN

For catalog and reservations write: Jean Neustadt, Sale Mgr., Box 974, Ardmore, Okla.

Southern Oklahoma Aberdeen-Angus Breeders Association

Carlton Corbin
President

H. E. Warren
Vice-Pres.

A. K. Bass
Vice-Pres.

Jean Neustadt
Sec.-Treas.

**ARDMORE
ANGUS**

**SOUTHERN OKLAHOMA
ANGUS ASSOCIATION
SALE * MAY 14
ARDMORE,
OKLAHOMA**


OFFERING

- * 15 Cows
Most with calves at side
- * 7 Heifers
- * 10 Bulls

Most of these are double-bred Bandolier and Bardolier. One is an outstanding Sunbeam bull. He is a four-year-old proven sire.

Wm. A. Barbre

STAR ROUTE

ADA, OKLAHOMA

**ARDMORE
ANGUS**

**Southern Oklahoma
Angus Association
Ardmore - May 14th**

We are offering in this sale 25 top two-year old commercial bred heifers which will be T. B. and Bangs tested.

PENNER ANGUS RANCH

MILL CREEK, OKLAHOMA

C. E. Penner

Dwain E. Penner

SHORTHORNS

That have superior range qualities. They will add milking ability, weight and beef conformation to your herd, too.

SCOFIELD RANCH
Austin, Texas

J. DOSS MILLER
De Leon, Texas



Breeders Report Excellent Results from Advertising in The Cattlemen.

ed by L. H. Stubblefield, Agricultural Agent, Illinois Central Railroad. He was assisted by R. M. Lancaster, E. E. Grissom, H. H. Leveck, and George Reed, all from Mississippi State College; and by the following Mississippi Assistant County Agents: John Gillebrew, Grenada; James B. Lee, Jr., Tishomingo; John E. Sullivan, Carroll, and Edgar L. Sessums, Yalobusha.

The winners in the 4-H-FFA judging contest were J. B. Massey, Oakland, Miss., first; Jerry Windham, Grenada, Miss., second; and Edwin Rice, Charles-ton, Miss., third.

Winners in the Ladies' Division were: Mrs. Arnold Sutton, Hazlehurst, Miss., first, and Mrs. William Cox, Bentonix, Miss., second.

Winners in the Men's Division includ-ed: J. E. Richardson, Ridgeland, Miss., first; Mike Campbell, Grenada, second; and Epton Perrott, Oakland, Miss., third.

The weight guessing contests were won by: Jimmie Crooks, Carrollton, Miss.; Sam Estes, Canton, Miss.; J. B. Massey, and James W. Nelms, Vaiden, Miss. Both Brahman and Brangus were used in this contest and their weights seemed to be quite deceiving.

Harry Gayden, executive secretary of the American Brahman Breeders Association, Houston, Texas, gave an excel-lent type demonstration on Brahman cattle, using two outstanding individuals from the Hudgins herd.

Bill Edwards, executive secretary of the American Brangus Breeders Association, Vinita, Oklahoma, gave a very interesting talk on Brangus cattle.

Range Control of Horse Flies Produces Striking Gains

INCREASED gains of 20 to 30 pounds per animal over a 38-day period may be obtained by range control of horse flies, according to a recently completed experiment at the Dixon Springs Station of the University of Illinois.

W. N. (Bill) Bruce and G. C. Decker, entomologists in charge of the experiment emphasized, "These weight gains were striking, but because of the shortness of the test period (38 days), they should not be considered conclusive."

This control on pasture was made possible by an automatic sprayer using a solution of pyrethrin spray. Daily cost was only between one and two cents per animal, report Bruce and Decker.

Except for the chute, the cost of constructing the automatic microspray applicator should not exceed \$25, according to Bruce and Decker. The spray unit includes two small hydraulic pumps, nozzles, copper connecting pipe, a gallon can of spray concentrate, a home-made chute, treadle, connecting rods, and a windshield.

The automatic sprayer is located so that the animals must pass through it to get to the salt block or water.

When an animal passing through the chute steps on the treadle, the connecting rods put the two pumps into action. The pumps in turn spray a small amount of the special solution on the cattle in the chute.

For best results a concentrate solu-tion of one per cent pyrethrin and ten per cent piperonyl butoxide is recom-mended. This solution should not be diluted for use in this type of equip-ment.

Ten animals of equal quality were pastured in six separate ten-acre plots

for this experiment, which was completed last summer. Some fields had horse fly control while others did not, so as to obtain a comparison.

Complete plans and instructions for constructing this sprayer may be obtained by writing to the Natural History Survey Division, Natural Resources Building, Urbana, Ill., and asking for "Biological Notes Number 24."

PAZA and Cuban Zebu Assn. Offer Joint Registration

METHODS by which Zebu cattle in Cuba can be jointly recorded with the Pan American Zebu Association and the Asociacion Criadores De Ganado Zebu de Cuba have been established as a result of a series of meetings between the leadership of these two cattle breed registry associations. In releasing this announcement, Dr. W. S. Jacobs, retiring president of PAZA, has indicated that, "The mutual endeavors of Cuban and U. S. cattle breeders, through a system of joint registration, stand to further the improvement and magnify the usefulness of Zebu cattle in North America".

The initial phase of the merger of record keeping activities of the PAZA and the Cuban association was brought about through the establishment of a joint appraisal committee comprised of Cuban Zebu breeders affiliated with both breed societies. All Zebu cattle produced in Cuba under the surveillance of either of these record-keeping associations are subject to strict appraisal prior to registration. The joint committee under the present arrangement is authorized to perform the required inspection for the registration of animals in either the Cuban or Pan American Associations. This joint PAZA-ACGCC appraisal committee is comprised of the following breeders: Jose E. Palma, Bayamo, Cuba; Sixto Lopez, Jatibonico, Cuba; Dr. E. E. Espinosa, Cabaguán, Cuba; Celso Gonzalez, Piedrecitas, Cuba.

To facilitate the exchange of records between the two breed societies, breeders are granted special concessions in the matter of fee charges, when they jointly register cattle with both of the associations. Joint membership fees have also been established as an incentive for Zebu cattle breeders to affiliate their herds, first with their national organization, and then with the international Pan American Zebu Association.

The adoption of final rules establishing the joint registration procedures for the PAZA and the Cuban breeders was effected at the annual membership meeting of the Pan American Zebu Association recently held in San Antonio, Texas. Members of the board of directors of the ACGCC attending the San Antonio meeting to complete negotiations relative to the joint registrations of Cuban Zebu cattle included: Dr. Elpidio Espinosa, president of the Cuban association, and ACGCC Directors Celso Gonzalez, Jose E. Palma, and Victor Espinosa, and Dr. Alberto Beguiristain.

Held in conjunction with the Second Annual San Antonio Livestock Exposition, the membership convention of the Zebu Cattle Association established an outstanding program of breed improvement for North American Zebu cattle herds. Reorganizing its board of directors, the PAZA elected the following breeders as new members to serve on the board: Otis Cox, Cotulla, Texas;

MATHES

Registered Aberdeen-Angus Cattle



Stock Farm

Located 2 Miles South of Arlington, Texas

WATCH THIS SPACE FOR OUR MID-SUMMER SALE ANNOUNCEMENT

Although we are keeping all of our cattle to place in our sale and therefore have none to offer you at this time, we would like for you to visit the farm and inspect the excellent group we plan to sell in our mid-summer sale.

Southern Oklahoma Angus Association Sale May 14th

**ARDMORE
ANGUS**

ARDMORE, OKLAHOMA

Selling 22 registered cows. These cows all have calves at foot. Calves are well grown out and old enough to wean. Cows due to start calving again soon. There are 15 calves of the same breeding as the grand champion load of steers at the International last year (1950).

WYATT ASHER **BRISTOW,
OKLAHOMA**

PALEFACE RANCHES

Home of the Indu-Angus

AUSTIN SAN ANTONIO CHAPEL HILL TEXAS
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BRAHMANS
INDU ANGUS

Malcolm B. Levi
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Milam Building
San Antonio, Texas

Breeders Report Excellent Results from Advertising in *The Cattlemen*.

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Angus Are Bred For Better Beef

On the butcher's block and in interbreed competition, Angus steers conclusively prove their superiority as producers of better beef. For the forty-third time in 46 shows, an Angus steer carcass won the grand championship at the Chicago International. All prize winning carcasses at this show were Angus. Blacks breed better beef! For information write: Dept. C.



American Aberdeen-Angus Cattle Breeders Association Chicago, Illinois



Outline of bull traced from photograph.

At the recent Fort Worth Fat Stock Show, C. W. Chandler, Nacogdoches, Texas, showed the reserve champion pen of three bulls. They were January, 1950 sons of Beelunker 94th, and sold to Jake Wardlow, San Angelo, Texas, for \$735.00 per head.

In our auction sale February 26, 1957, Mr. Chandler purchased Beelunker 189th. Price: \$5,400.00. Thanks, Mr. Chandler.

C. E. REED

114 E. Central Ave. Wichita, Kans.
Phones: Home 68313 — Farm 53868

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Aberdeen-Angus

Where Champions Are Bred



Home of the famous "Revermores," "Repeaters" and "Chimeras"

You are invited to inspect our show herd at the shows and to visit the farm whenever possible.

We breed our show cattle and show our breeding cattle.

Seed Stock Always for Sale

JAS. B. HOLLINGER

CHAPMAN, KANSAS

"The Breed with a Record"

ESSAR Ranch
Master Prince 24
by Prince Sunbeam 29th
MASTER 4th OF ESSAR
by Master Page
PRINCE SUNBEAM 401st
by Prince Sunbeam 190th
Visitors always welcome
Tom Black, owner
Dr. Paul Keecey, mgr.

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The Aberdeen-Angus Journal
401 Des Moines St., WEBSTER CITY, IOWA

Registered and Commercial

ABERDEEN-ANGUS

Have 20 good bull calves for sale. Most of them are by Black Iren of Fairview, our top herd sire.

BEN P. SNURE, JR.
APACHE, ARIZONA

J BAR A FARMS

Killeenmore Center of The Southwest
Using Homespice Killeenmore 43th
and Homespice Killeenmore 94th
Both by Killeenmore 47th

DR. J. B. RENEAU, JR.
MUNDAY, TEXAS

ABERDEEN-ANGUS

Popular bloodlines. Desirable
Quality. Attractive Prices.

CAPPS RANCH
TIPTON, OKLAHOMA

On the basis of five readers per issue
The Cattleman is read by more than
150,000 ranch folk. Reach this market
by advertising in The Cattleman.

J. B. Starkey, Largo, Fla.; Jess McNeil, San Antonio, Texas; W. S. Jacobs, Jr., Houston, Texas. Officers elected at the meeting to serve the Zebu Association for the ensuing year included Bob Coquat of Cotulla, Texas, president; Stanley Kubela, Palacios, Texas, vice president; and Roy G. Martin, Cotulla, Texas, secretary-treasurer. The Pan American Zebu Association maintains its secretary's office at Cotulla, Texas, and maintains records on Indu-Brazil Zebu cattle.

Drenching Urged to Combat Sheep Parasite Inroads

MAY, June and July are the danger months when internal parasites may eat up Oklahoma sheepmen's profits, according to L. S. Pope, Oklahoma A. & M. College animal husbandry man.

With the current demand for lambs and wool expected to remain strong, parasitic control will be even more important in 1951.

The common stomach worm is probably the most serious sheep parasite in the state since nearly all sheep in this area, unless they have been carefully drenched, are infested. Sheep having a heavy infestation will show evidence of unthriftness, and lack of "natural color" around the eyes, nostrils and lips.

Drenches are usually the only effective method of stomach worm control. For best results, the sheep should be drenched at least twice during the spring and early summer months, two days before moving into a new pasture and when the sheep are brought in from fall pasture.

A phenothiazine drench was recommended by Pope. In an experiment at A. & M., 99.8 per cent of all mature stomach worms were killed by proper drenching with this material.

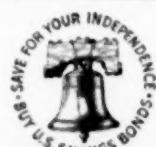
A one per cent solution of copper sulfate, made by dissolving four ounces of bluestone in three gallons of water, is inexpensive and fairly effective. With the addition of two ounces of nicotine sulfate to the three-gallon solution, it is partially effective against tape worms as well as stomach worms.

In addition to the drenches, a phenothiazine salt mixture of one part phenothiazine for 9 to 14 parts salt is useful. It apparently cuts down on the hatchability of the worm eggs, but is not complete insurance against the mature worms.

The nodular worm, another destructive parasite, is best controlled by phenothiazine drenches before and after the permanent pasture season.

Rotational grazing is one of the best methods of internal parasite control if it is practical to keep the sheep off each piece of land for a long enough period.

"Control of Parasites and Diseases of Sheep," a bulletin containing complete information on the problem can be obtained by writing the Oklahoma A. & M. College animal husbandry department.



Do You Know Your Congressmen?

MANY readers of The Cattleman often have occasion to want to write to their congressmen for some reason or other, especially during these times when controls of all kinds are pending and many other controversial issues are being considered. The full list of senators and representatives for Kansas, Louisiana, New Mexico, Oklahoma and Texas are published for your convenience in contacting your representatives in the national government.

In writing to your congressmen do not write to them at their home address, but address them as follows:

Senator
Senate Building,
Washington, D. C.
Representative
House Building,
Washington, D. C.

The home address of each is given in order that you may know what town they are from, and thus be able to tell more readily which one represents your district.

Kansas

Senators—
Andrew F. Schoepel, Wichita.
Frank Carlson, Topeka.

Representatives—
Dis.

1. Albert M. Cole, Holton.
2. Errett P. Scrivner, Kansas City.
3. Myron George, Altamont.
4. Edward H. Rees, Emporia.
5. Clifford Hope, Garden City.
6. Wint Smith, Mankato.

Louisiana

Senators—
Allen J. Ellender, Houma.
Russell B. Long, Baton Rouge.

Representatives—
Dis.

1. F. Edward Hebert, New Orleans.
2. Hale Boggs, New Orleans.
3. Edwin E. Willis, St. Martinville.
4. Overton Brooks, Shreveport.
5. Otto E. Passman, Monroe.
6. James H. Morrison, Hammond.
7. Henry D. Larcade, Jr., Opelousas.
8. A. Leonard Allen, Winnfield.

New Mexico

Senators—
Dennis Chavez, Albuquerque.
Clinton P. Anderson, Albuquerque.

Representatives (At Large)—
Antonio Fernandez, Santa Fe.
John J. Dempsey, Santa Fe.

Oklahoma

Senators—
Robert S. Kerr, Oklahoma City.
A. S. Mike Monroney, Oklahoma City.

Representatives—
Dis.

1. George B. Schwabe, Tulsa.
2. William G. Stigler, Stigler.
3. Carl Albert, McAlester.
4. Tom Steed, Shawnee.
5. John Jarman, Oklahoma City.
6. Toby Morris, Lawton.
7. Victor Wickersham, Mangum.
8. Page Belcher, Enid.

Texas

Senators—
Tom Connally, Marlin.
Lyndon B. Johnson, Johnson City.

Fooks Angus Farms

CAMDEN ARKANSAS

Now you can see his calves



Our Senior Herd Sire, Prince Eric 4th of Sunbeam by Prince Sunbeam 29th

Top selling bull at the 1949 Sunbeam Sale for \$28,500 and a full brother to Prince Eric of Sunbeam, the \$100,000 bull.

Calves are just beginning to arrive by Prince Eric 4th of Sunbeam, the youngest and last full brother of the great Prince Eric bulls. He is definitely following in the footsteps of his illustrious full brothers. His full brothers are:

Prince Eric of Sunbeam—owned by Shadow Isle Farms.
Prince Eric 2nd of Sunbeam—owned by Good Earth Stock Farms.

Prince Eric 3rd of Sunbeam—owned by Woods & Rust Angus Farms.

In our recent sale we featured the service of this great young bull. The top selling female in this sale sold for \$4,100 to Angus Valley Farms and was bred to Prince Eric 4th of Sunbeam.

Plan to come by the farm and see these baby calves by Prince Eric 4th of Sunbeam.

**ANGUS "FOLKS" ARE ALWAYS WELCOME
AT "FOOKS" ANGUS FARMS**

JIM ALLEN, Manager
ARTHUR FERGUSON, Herdsman



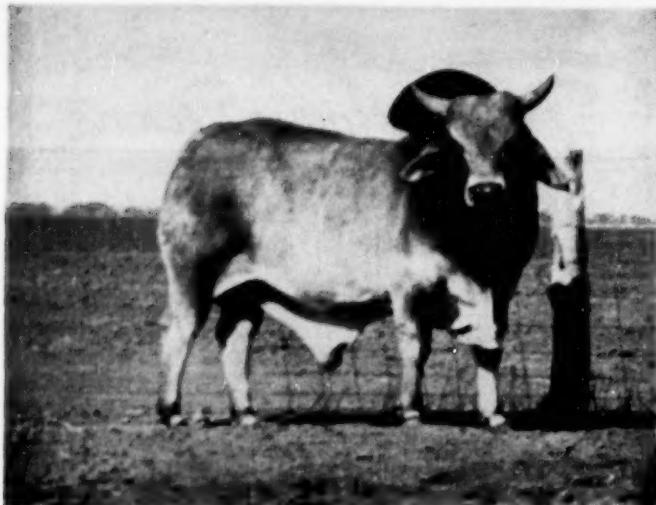
FOR SALE

500 BRED, COMING TWO-YEAR-OLD ANGUS HEIFERS

We are also entering a group of very select heifers in the San Angelo Angus Sale, June 6th.

ASHCROFT and HILL 
BOX 950 - STAMFORD, TEXAS
IN THE ANGUS MARKET - BUYING AND SELLING - COMMERCIAL AND REGISTERED

Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Secretary, Fort Worth.



RESOTO FLATO 51st

We feel justly proud of our herd sire Resoto Flato 51st, a son of the great Resoto Manso. The second calf crop by this fine bull is now on the ground. Although we have no Flato Brahmans to sell at present, we invite you to stop by our stock farm and see these calves and Resoto Flato 51st himself.



Follow this map to our stock farm—located between Robstown and Alice, near Banquete, off Highway 44.

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FLATO BROS. BOX 1781 PHONE 3-8421 CORPUS CHRISTI, TEX.

The best

Brangus

for beef



Mr. Commercial Cattleman:

You owe it to yourself to check into the advantages offered by BRANGUS—the BIG blacks that bring tops on the beef market!

Write for Free Information and Descriptive Folder

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Dis.

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3. Lindley Beckworth, Gladewater.
4. Sam Rayburn, Bonham.
5. J. Frank Wilson, Dallas.
6. Olin E. Teague, College Station.
7. Tom Pickett, Palestine.
8. Albert Thomas, Houston.
9. Clark W. Thompson, Galveston.
10. Homer Thornberry, Austin.
11. W. R. Poage, Waco.
12. Wingate H. Lucas, Grapevine.
13. Ed Gossett, Wichita Falls.
14. John E. Lyle, Jr., Corpus Christi.
15. Lloyd M. Bentzen, Jr., McAllen.
16. Ken Regan, Midland.
17. Omar Burleson, Anson.
18. Walter Rogers, Pampa.
19. George H. Mahon, Colorado City.
20. Paul J. Kilday, San Antonio.
21. O. C. Fisher, San Angelo.

Results of Bull Progeny Test at Balmorhea

A ROUND 600 ranchmen and their wives visited the Madera Valley Experiment Station at Balmorhea, Texas, March 31, to review test results of groups of bulls and heifers in a bull progeny test being carried on at the station. The cattle were loaned to the station by 12 breeders on a 139-day feeding test to find bloodlines which increase the ability to gain weight. It was the ninth test conducted by the station.

For the third straight year Jack V. Williams of Paint Rock, Texas, topped the experiment with cattle sired by Sam Domino, a son of Publican Domino 128th. His group of heifers gained 1.95 pounds per day and his bulls gained 2.83 pounds per day. The highest gaining bull of the lot averaged 3.23 pounds daily.

A single bull by Brooks Baca Domino and owned by Joe Kingston, Toyahvale, gained 3.21 pounds a day.

The Williams bulls finished at a higher grade than any others in the test except for one group of three by Brooks Baca Domino, owned by Kenneth Guthrie of Menard.

The Sam Domino heifers were topped in grade by only one set of ten heifers out of Dan Domino 44th, owned by W. T. Jones Estate, Marfa, and one heifer by another Williams bull, Publican Domino 128th.

The experiment is intended to prove sires by showing the rapidity of weight gain in their offspring. Young bulls and heifers out of given sires are placed on feed under similar conditions to determine which make the most economical gain.

The second highest gain was made by four Santa Gertrudis bulls owned by King Ranch, Kingsville. They averaged 2.68 pounds a day. Another set of King Ranch Santa Gertrudis gained 2.58 pounds daily.

**Buy Savings Bonds
REGULARLY**



Swoope Angus Dispersion

AROUND 300 LOTS

June 18

COLUMBUS, MISS.

Pedigrees of the five herd bulls selling are at right.

Quality Stamp was reserve champion bull at the Southeastern Fair in 1946, and also was first at the Kentucky and Tennessee Valley fairs. In 1947 he won two more blues and, in 1948, he was crowned Mississippi champion. We have used him heavily in the herd.

Paul of Agincourt has a pedigree which will speak for itself—it's Canadian breeding at its best. And his calves will speak for him.

Magnolia Bandolier is another opportunity in Bandolier breeding, with calves to show what he can do.

Prince Bandolier IE is your Sunbeam opportunity, and his calves are what you'd expect from his wealth of breeding.

Evereve is about as close up Earl Marshall bred as they come, with two grandsons as International grand champions. You couldn't write a better Earl Marshall pedigree.

Around 150 cows, with calves at side or close to calving, sell; also about 60 bred heifers. These bred females carry the services of the five herd bulls.

Better than 75 open heifers, many by our herd bulls, also sell. This sale is made necessary by the army status of our manager, "Teeny" Swoope. We hope to rejoin the ranks of Angus breeders after his army tour and, in the meantime, we want to retain our close relationship with breeders. In the meantime, too, this is your opportunity to dig down deep into a well established herd of top-bred Angus cattle.

Reserve your catalog today

Swoope ANGUS FARM

Columbus, Miss.

QUALITY STAMP 849900

Calved May 3, 1946

Echo of Hill Crest	Prince Julian A. 2 nd	Prince Julian
Echo's Stamp 694095	Erica Hill Crest	Pride of Altenhurst 12 th
	Juno Girl 3 rd	Prince Elcho 3 rd
		Erica 10 th 5. 2 nd
		Black Queen of Woodgate
		Pride of Altenhurst 10 th
		Wilson Pride
		My Girl 3 rd
Echo-berry	Echo of Hill Crest	Prince Julian
	Erica of Hill Crest	Pride of Altenhurst 12 th
	Eileenmara 6 th	Prince Elcho 3 rd
	Queen of Rosemore 304 th	Erica 10 th 5. 2 nd
		Eileenmara 32 th
		Ectessa
		Prizemore 9 th
		Queen of Rosemore 3 rd

PAUL OF AGINCOURT, 85029—932949

Bandolier of Anoka 22d	Burgess Bandolier of Anoka 6th	Bikbird Band of Page	Glen. Revolution 6th
	Barbra Rose of Anoka 2nd	Briffitt Miss Burgess 53th	Blackbird Harrison 6th
		Bikbird Band of Page	Briarcliff Protester
		Barbara of Rosemore	Miss B. McGregor
			Glenormack Revolution 6th
			Bikbird Harrison 6th
			Edalmere 4th
			Mazy Miss Barbara
Paul of Agincourt?	Glenelag Prince 18th	Glenelag Prince of M. Brock	Middle Brook Prince 33
	Alloway Pauline 51st	Glenelag Eva Escare	Glenelag 4th
		Barr of Maple Lane	Glenelag Earl Middlebrook
		Alloway Pauline	Glenelag Mary Middlebrook
			Blackbird Band of Page
			Tiptop of S. Acres
			Prizemore of all 3rd
			Altencourt Pauline 37th

MAGNOLIA BANDOLIER

Calved June 1st, 1945

Ravenswood Bandolier 18 th 681195	Wintonie 5 th 567767	Enficons Bandolier 2 nd	Blackbird Bandolier of Page
	Blackcap Bass 23	Queen of Rosemore 344	Blackbird of Sunbeam 6th
		Blockcap Earl 15th	Blockcap Revolution
		Blockcap Bass 21st	Blockcap Enigma
			Ennable 5 th
			Blockcap Bass 12th
Erig 4 th of Highlands 731973	Andelot Blackcap	Glenormack Bass 232	Earl Eric Glenormack 3rd
	Endi Benedictus	Benedictus Quality 3rd	Bass Miss Glenormack 3rd
		Erica	Blockcap Bass 6th
		Endi 7th	Blockcap McHenry 218
			Quality Marshall 3rd
			Best Blackeyes
			Eldor
			Erica Thor 2nd

PRINCE BANDOLIER IE. 909472

Calved Mar. 3, 1946

Prince Sunbeam 46th 677648	Block Prince of Sunbeam	Block Peer of St. Albans	Erie Revolution
	Miss Burgess 109	Pride 7th	Blockcap Glenormack 8th
		of Sunbeam	Fayre Miss Sunbeam
		Burgess 23rd	Elys Pride Eldor
		Miss Burgess of Glyn Mawr 10th	Elys Marshall 2nd
			Miss Burgess 59th
			Elys Marshall 2nd
			Miss Burgess 41st
Meek Ranch Black Heifer 10th 759063	Blockbird Bandolier of Ado 2nd	Block Bandolier 2nd	Bandolier of Anoka
	Betty of M. R. 5th	Block 1. 3rd of Ado	Bandolier of Anoka
		Ennias	General of Ado
			Bikbird E. Gluk. 24
			Engraver 3rd
		Blockbird Betty 16 th	Enchanted Erna
			Banner of Platter
			Blockbird Betty 10th

EVEREVE 770715

Calved January 3, 1945

Rev. 3rd of Strathmore	Revolution 100	Blockcap Revolution	Earl Marshall
	Blockcap M. K. 2nd	Ella Elliott 29th	Blockcap McHenry 104th
		Brevier 3rd	Elsorn
		Blockcap Empress 4 th	Block Empress W.
			Earl Marshall
			Blockcap McHenry 123
Evergreen 14 of Muskogee	Prince Marshall	Prince Marshall	Profile
		Pride	Erica McHenry 12th
		McHenry 46th	Western Star
		Exertine	Pride McHenry 27th
			Muskogee 148
			Essence of Muskogee
			Plowman
			Elmwood Evergreen 2nd

FERNDALE RANCH



JUNE 11th

Selling 185 Lots owned

CANOGA PARK

Sale will be held at the Paul Grafe Rancho Del Cerro, 28704 Van Owens Street, Canoga Park, California, thirty miles west of the Biltmore Hotel, Los Angeles. Sale starts at 10:00 A. M.

HERD BULLS

in service that also



SELL

● **PALOMAR PRINCE**

By the \$11,000 Prince Sunbeam 46th. PALOMAR PRINCE sired the Grand Champion bull at the recent Fort Worth Show that sold in the Fort Worth Sale for \$40,100. Sons and many daughters in this sale and numerous females carrying his service.

● **PRINCE B 29th of FERNDALE**

A thick, typy son of Prince Sunbeam 29th. There will be calves by him and females will carry his service.

Other bulls that sell are the ones that make up the Ferndale Show Herd and several other outstanding prospects that in many cases are full brothers to bulls that have made outstanding breeding records.

If you are interested in Quality Aberdeen-Angus you will want to attend this Sale. Paul Grafe has never been satisfied with less than the best, and it is doubtful if ever a more attractive group of cattle have been sold at auction.

We will make arrangements for the delivery of your purchases by truck, air or rail.

*Transportation Furnished
To and From Sale*

*For Catalogs, Reservations
and Information, Address:*

Sale Headquarters:
Biltmore Hotel
Los Angeles, California

J. B. McCorkle, Sale Manager

ANGUS DISPERSION

JUNE 11th
by PAUL GRAFE
CALIFORNIA



Sale will be held at the Paul Grafe Rancho Del Cerrito, 20704 Van Owens Street, Canoga Park, California, thirty miles west of the Biltmore Hotel, Los Angeles. Sale starts at 10:00 A. M.

THE FEMALES

Pedigrees are of the very best and the individuality of the cattle will please the most critical.

Probably as nice an offering of cattle as has ever been exposed at auction.

THIS IS A HIGH PRODUCING HERD. Many of the cows will have calves at foot and in many cases will be rebred . . . Others will be heavy springers . . . There is a group of bred heifers that have been put back as replacement stock that will make wonderful foundations or additions to your herd.

THE GROUP OF OPEN HEIFERS ARE VERY NICE, being sired by the bulls listed and from the cows that are also listed for the Sale.

★ *COMPLETE SHOW HERD--ready for this year's shows—is being offered.*
★ *Your opportunity to buy a complete show herd or to fill your show herd.* ★

A breakdown of the offering includes

20 imported females from the best Scottish families and blood lines
6 daughters of the "Bull of the Century" Prince Eric of Sunbeam
30 daughters of Palomar Prince

Daughters of the following bulls sell:

BLACK PRINCE OF SUNBEAM
PRINCE SUNBEAM 28th
PRINCE SUNBEAM 19th

PRINCE SUNBEAM 105th
QUALITY PRINCE OF SUNBEAM
PRINCE ERIC OF FERNDALE
EILEENMERE 85th

EILEENMERE 500th
EILEENMERE 649th
HANE'S EILEENMERE

and numerous other highly regarded bulls.

FAMILIES REPRESENTED ARE—

- 5 Imported Gammers
- 9 Ballindalloch Jilts
- 8 Ballindalloch Georginas
- 6 Blackcap Bessies . . . one of them by Eileenmere 500th, another champion female at an Iowa State Show and Sale.
- 3 Portlethen Lucy's from the Oklahoma A & M strain. Several Maid of Summers, Katinkas and Witch of Endors.

Most of the standard families of the breed are heavily represented.

Numerous cattle, only one generation removed from the imported cow, are represented.

YOU WILL BE BUYING NUMEROUS CATTLE THAT HAVE BEEN CHAMPIONS AT THE MAJOR SHOWS AND SALES . . .

including one female that was undefeated at all the leading shows in 1949. She will have a calf at foot by the 1949 International Grand Champion Bull.

3500 A. I. U. Building, **Columbus, Ohio**

ROY JOHNSTON
PAUL GOOD
Auctioneers

TEXAS POLLED HEREFORDS

"EVERYTHING
BUT THE HORNS"

Make every clothes closet a moth-proof cedar closet with a paint brush!

Cedar-Lux



\$6.95
GAL.
Order from
Kallison's
Today

CEDAR-LUX is a compound of crushed genuine red cedar wood, impregnated by an exclusive process with many times the cedar oil that nature provides in cedar wood. Just mix this compound with water to a plastic consistency . . . dip a brush into the mixture and apply to wall closets and ceiling, or walls of your den or recreation room. That's all there is to it! That cedar odor remains indefinitely!

Economical! Fireproof! Protective! Easy to Apply! Guaranteed! Lasts a Lifetime!

KALLISON'S

118 S. Flores ★ San Antonio

Kallison's Ranch—Breeders of Reg. Polled Herefords

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COWS are mostly daughters of:

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Write for information about the Texas and Southwestern Cattle Raisers Association, Henry Bell, Sec'y, Fort Worth.

Texas Polled Hereford News

By HENRY FUSSELL, Secretary
Texas Polled Hereford Association

MARSHALL! Wow! On April 3 the Texas Polled Hereford Association conducted one of the best sales held during the history of the association. Ten head averaged \$2,015, 20 head averaged \$1,541, and the 60-head offering averaged \$973. You may read the details of both the show and sale in another article in this magazine.

On Monday evening, April 2, the Marshall Chamber of Commerce and a number of the leading citizens gave the Polled Hereford breeders a banquet, which was well attended by the breeders, visitors, and prospective buyers. Visitors were from Arkansas, Mississippi, Oklahoma, Iowa and Texas, and a genuine love feast was held between the Marshall people and the Polled Hereford breeders.

The Board of Directors of the T. P. H. A. had a meeting on the afternoon of April 2, while in Marshall, and among other business set up a program for the association for the year 1952. They approved Polled Hereford shows and sales at Fort Worth, San Antonio and Marshall for the spring of 1952. Of course, they took into consideration the Brown County show and sale for 1952, which is usually staged just in advance of the Southwestern Exposition and Fat Stock Show at Fort Worth.

President Joe Weedon appointed the Show and Sale Committee for the Fort Worth show in 1952, composed of Fred Freeman, Jr., chairman; H. G. Brown and W. L. Garland, members. Their duties are to promote the show and sale in every way possible.

For the San Antonio Show and Sale, President Weedon appointed Hartley E. Howard, chairman; Sam Swann and Perry Kallison members. This will have been the first time the association has attempted to hold a sale of Polled Herefords at San Antonio; but no doubt, under the able promotion of the above-named committee the event should be a great success. In fact, Sam Swann, as a member of the committee, has reported the consignment of 20 head of Polled Herefords for the San Antonio sale, the dates of which will be announced as soon as we learn them.

San Antonio holds a great livestock exposition and rodeo there every spring, and the event is growing in importance and success each year. There are a great number of Polled Hereford breeders in that area.

For the 1952 Marshall Texas Polled Hereford Association show and sale, President Weedon has appointed Sue Hill, chairman; Jack Rowland and Hugh White, members. This is the identical committee that served on the Polled Hereford show and sale held at Dallas in the fall of 1950, and you may recall what a successful event that was, so you may rest assured that the 1952 Marshall show and sale is in good hands.

The Central Texas Polled Hereford Association, Clifton, Texas, sent us an itinerary of their planned Polled Hereford Tour, which is to be held on May 23 and 24, with Sam Belyeu chairman of the tour committee. The itinerary as set is as follows: May 23, 9:00 a. m., Sid F. Smith Ranch, Groesbeck, Texas; 9:30 a. m., B. L. Bradley Ranch, Groesbeck; 10:30 a. m., Ollie Newman N Bar

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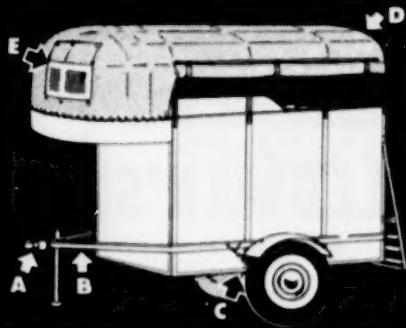
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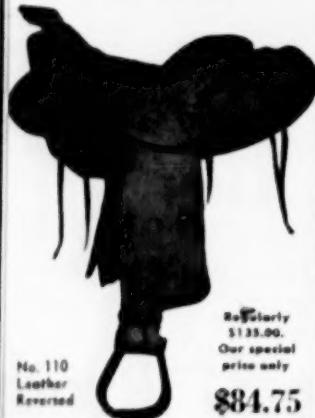
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C Ranch, near Mart; 11:15 a. m., Davis & Wilson, Mart; 12:00 noon, lunch at the Elite Cafe, on the loop at Waco, as guests of a group of breeders in that area; 1:00 p. m., Mr. and Mrs. Joe G. Reece, Waco; 2:00 p. m., Evans Ficklin Ranch, Valley Mills; 2:30 p. m., Fred Vickrey Ranch, Moehme; 4:00 p. m., H. R. Routh, Meridian; 6:00 p. m., Double L Ranch, Cresson. Cresson is about 30 minutes out of Fort Worth, where those making the tour will spend the night. Suggest you make your hotel reservations at Fort Worth early.

May 24, 7:00 a. m., breakfast in Fort Worth; 8:30 a. m., Hugh H. White Hereford Farm, Keller; 9:30 a. m., Byron Nelson Ranch, Roanoke; 11:00 a. m., Loma Linda Ranch, Clifford and Allie McBride, Frisco; 12:00 noon, lunch at Denton; 1:30 p. m., H. G. Brown, Silver Dome Ranch, Denton; 2:30 p. m., Fred Freeman, Jr., Denton; 5:00 p. m., Mrs. W. R. Johnson Ranch, Jacksboro; 6:00 p. m., chuck wagon dinner at Mrs. Johnson's ranch.

The fall show and sale of the organization will be held in connection with the Central Texas Fair at Clifton, September 27 through 30. Judging is to be on September 28 and the sale September 29. Sale committee is Evans Ficklin, Earl C. Morrison and Sue Hill. The show committee is Jack Rowland, Joe Weedon and W. R. Gollinar.

October 6 through 11 the National Hereford Show will be held at the Texas State Fair of Texas and all Polled Hereford breeders with good quality show cattle are urged to exhibit in this event. It is an open show with a premium fund of \$25,000, and being set on the dates it makes it very convenient to start the fall show circuit.

President Weedon has appointed a show committee to serve the Polled Hereford exhibitors in the Dallas show composed of Mans Hoggett, chairman; John Trenfield, R. A. Hallbert and Jim Gill, members. This committee has been given instructions as to its duties.

Joe Dan and Betty Weedon are engaged in enlarging their beautiful home on the shores of Lake Brownwood. No doubt the enlargement is caused by the rapid growth of their fine young son, Billie Dan.

B. O. Gammon, secretary emeritus, got up from a sick bed and drove to Marshall for the show and sale, but had to go to bed on arrival in Marshall, where he remained for about a week with virus pneumonia. He was taken back to Des Moines, Iowa, where he was sent to the hospital, but we have a note from Mrs. Gammon that he is now getting along nicely. A great man who has spent his life promoting Polled Herefords and the whole fraternity wish him well.

Horse Handling Science

Demand for Volume I of Monte Foreman's Horse Handling Science booklet has been so great that our supply is now entirely exhausted. We will be unable to accept further orders. Two printings of this booklet were made and all have been sold.

Volume II will be offered shortly. Watch the columns of The Cattlemen for this announcement.

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Halbert Premier Exhibitor At Marshall Show

R. A. HALBERT, Sonora, Texas, was named premier exhibitor of the Polled Hereford show sponsored by the Marshall, Texas, Chamber of Commerce April 2, winning 13 of the 21 classes, including both championships. Jack Smith, Yokena, Miss., judged the show.

The champion bull of the show was HHR DW 23 114, a senior bull calf shown by Halbert, and the reserve champion was CB Woodrow Mischief, a junior yearling, shown by N. M. Barnett, Melvin, Texas.

HHR Miss DW 23 15, a senior heifer calf shown by Halbert, was champion female and Lady Silver 3rd, shown by Hugh H. White, Keller, Texas, was reserve champion. She stood second in class to the champion.

Halbert topped the senior yearling bulls, senior bull calves, junior bull calves, three bulls, two bulls, senior heifer calves, junior heifer calves, summer heifer calves, get of sire, calf get of sire, two females, and pair of calves.

Barnett placed first in junior yearling bulls and junior yearling heifers. Hill Polled Hereford Ranch, Fairfield, Texas, won in the summer yearling bulls, three bulls, summer yearling heifers and pair of yearlings. Gollinar & Rowland, Whittney, Texas, topped the summer bull calves and Case Ranch, Eldorado, Texas, won in the senior yearling heifer class.

Awards follow:

Senior Yearling Bulls: 1, R. A. Halbert, Sonora, Texas, on Domestic Woodrow 240; 2, Wm. Smith

& Son, Naples, Texas, on Larry Domino 1; 3, G. H. Nichols, Bangs, Texas, on Eddie Domino 6.

Junior Yearling Bulls: 1, N. M. Barnett, Melvin, Texas, on CB Woodrow Mischief; 2, Don Reynolds, Somera, on DAR Domestic Anxiety; 3, Clint Braden, Wilburton, Okla., on CBR Pawnee Tone 2; 4, Clinton Utzman, Wilburton, Okla., on U.S. Larry, Domino 4.

Summer Yearling Bulls: 1, Hill Polled Hereford Ranch, Fairfield, Texas, on H Domino A 191; 2, Hugh H. White, Keller, Texas, on Pawnee Silver 2; 3, White on Silver Diamond.

Senior Bull Calves: 1, Halbert on HHR D W 23 114; 2, Halbert on HHR D W 23 114; 3, W. Burleson, Roff, Okla., on BHF Larry 2; 4, Loma Linda Ranch, Frisco, Texas, on LL Star Domine 2; 5, Hill Polled Hereford Ranch on H Rollin Conqueror 2.

Junior Bull Calves: 1, Halbert on HHR Mischief Advance 2; 2, Claude McInnis, Byrds, Texas, on

Honey B Mischief 28; 3, Jim and Fay Gill, Coleman, Texas, on JFG Domestic Mischief 78; 4, Fred Freeman, Jr., Denton, Texas, on F Baldwin President; 5, Carl Shoffield, Brooksmith, Texas, on C Domestic Mischief 18.

Summer Bull Calves: 1, Gollinar & Rowland, Whittney, Texas, on GHR Prince Domine 2; 2, J. H. Rowland & Son, Morgan, Texas, on RR Mischief 8; 3, Hill Polled Hereford Ranch on HPR Domestic C 6; 4, Hill Polled Hereford Ranch on Domestic Conqueror 15; 5, Loma Linda Ranch on LL Larry Mischief.

Champion Bull: Halbert on HHR D W 23 114.

Reserve Champion Bull: Barnett on CB Woodrow Mischief.

Three Bulls: 1, Halbert; 2, Hill Polled Hereford Ranch; 3, Loma Linda Ranch.

Two Bulls: 1, Halbert; 2, Hill Polled Hereford Ranch; 3, White; 4, Loma Linda Ranch.

A new record price for a Polled Hereford bull was established at the Panola-Tate Polled Hereford sale when EER Victor Victor Anxiety, consigned by Double E Ranch, Senatobia, Miss., sold for \$32,000 to Malone Ranch, Meridian, Miss. Left to right: E. E. Moore, Senatobia, Miss.; J. G. Gerard, Benton, Ark.; A. G. Rolfe, Poolesville, Md.; Jack Malone and R. C. Malone; Ted Griswold, Senatobia, Miss.; and Earl Purdy, manager of Double E Ranch.



Mr. V-8 44th—ABBA No. 34439—One of the bulls out of 1947 calf crop. Picture taken at 18 months of age.

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AUSTIN, TEXAS

The Cattleman

May

Senior Yearling Heifers: 1, Case Ranch, Eldorado, Texas, on Romandine 7.

Junior Yearling Heifers: 1, Barnett on B. Domestic; 2, Halbert on Miss Domestic P 218.

Summer Yearling Heifers: 1, Hill Polled Hereford Ranch on H. Bettie D. 6; 2, Barnett on Domestic Woodrow; 3, Hill Polled Hereford Ranch on H. Bettie D. 38.

Senior Heifer Calves: 1, Halbert on HHR Miss DW 23 15; 2, White on Lady River 3; 3, Loma Linda Ranch on L.L. Domestic Woodrow 1; 4, Bowland & Son on RR. Bell Blanchard; 5, Hill Polled Hereford Ranch on H. Bettie D. 38.

Junior Heifer Calves: 1, Halbert on HHR Miss DW 23 15; 2, Loma Linda Ranch on L.L. Domestic Woodrow 1; 3, Barnett on CB Ranch; 4, R. M. Reynolds, Pittsburg, Texas, on Miss Mischief Blanchard.

Summer Heifer Calves: 1, Halbert on HHR Miss DW 20 626; 2, White on Mabel Silver 3; 3, McInnis on Bonny Duchess 66.

Champion Female: Halbert on HHR Miss DW 23 15.

Reserve Champion Female: White on Lady Silver 3.

Get of Sire: 1, Halbert; 2, Hill Polled Hereford Ranch; 3, White; 4, Barnett.

Calf Get of Sire: 1, Halbert.

Two Females: 1, Halbert; 2, White; 3, Hill Polled Hereford Ranch; 4, Barnett.

Pair of Yearlings: 1, Hill Polled Hereford Ranch; 2, Barnett.

Pair of Calves: 1, and 2, Halbert; 3, McInnis; 4, Loma Linda Ranch; 5, Hill Polled Hereford Ranch.

Premier Exhibitor: Halbert.

No thief wants a cow that has already been branded.

Marshall Polled Hereford Sale

SUMMARY

69 Bulls	\$39,645	avg.	\$991
26 Females	16,718	avg.	635
48 Lots	58,353	avg.	973

AT THE eighth annual Texas Polled Hereford Association sale, held April 3 at Marshall, Texas, a March, 1950, son of Domestic Mischief 97th sold for \$3,150 and a daughter of Pawnee Silver brought \$2,000, setting two records for this sale. The top bull was consigned by Jim and Fay Gill, Coleman, Texas, and sold to Joe Griswom, Jr., of Waco. The top-selling cow, the champion sale female, was offered by Hugh H. White, Keller, Texas, and sold to R. M. Keasling, Hughes Springs, Texas.

The previous record for the sale was equaled on two occasions when the champion sale bull, a January, 1950, son of Bonny B. Domino 1st, consigned by Claude McInnis, Byrds, Texas, sold to Mr. Keasling for \$3,000, and the reserve champion, a December, 1949, son of B. Larry Domino 24th, consigned by R. W. Burleson of Roff, Okla., sold to Bentley and Calloway of Hughes Springs at the same figure.

The reserve champion cow and the second top female of the sale was another daughter of Pawnee Silver, consigned by Mr. White. She was bought by E. J. Barton of Nashville, Ark., for \$1,600.

The cattle sold to five states: Texas, Oklahoma, Arkansas, Louisiana, and Mississippi.

Colonel Walter Britten was the auctioneer.



EER Victoria
Born 12th, consigned
by Double E Ranch,
Senatobia, Miss., set
an all-time record
for a beef heifer in
the Panola-Tate
Polled Hereford sale,
selling for \$11,250 to
Holly Spring Farms,
Covington, Ga.
Standing behind the
heifer, left to right,
are: Bruce Purdy,
L. J. Moore, Konrad
Purdy, Calvin Fowler,
E. E. Moore, John
E. Rice, and Earl
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Hereford Transactions

Eight Hereford heifers were sold by the Honey Creek Ranch, Grove, Okla., to Bob Hartley of Vinita, Okla.

In Heavener, Okla., Bill Qualis sold four Hereford cows and three heifers to Kenneth Scrivner.

Norman W. Libby, Bueyeros, N. M., sold 20 Hereford bulls to Garland S. Sanford of Amarillo, Texas.

J. K. Hunt, Claude, Texas, sold 10 Hereford bulls to Minor Simms of Panhandle, Texas.

Dorbaudt & Rass, Kermit, Texas, bought nine Hereford heifers and two bulls from J. N. Dulaney of Sweetwater, Texas.

Six Hereford heifers and three bulls were sold by Alvin Laubhan, Follett, Texas, to J. R. Pendleton, Stratford, Texas.

G. E. Nance, Canyon, Texas, sold 23 Hereford bulls to the Smith Ranch Co. of Tribune, Kan.

Eight heifers were sold by Edgar East to R. M. Allred, both of Amarillo, Texas.

The 4 M Ranch, Medina, Texas, shipped 32 Hereford cows and one bull to the Lakeland Farm in Bethany, La.

Dr. John D. King, Waxahachie, Texas, bought 12 Hereford cows from W. R. Peters, Jr., in Alice, Texas.

Moseley & Carpenter, Medina, Texas, sold 11 Hereford cows, six heifers and two bulls to the Lakeland Farm in Bethany, La.

The Red River Hereford Ranch, Detroit, Texas, sold 47 cows, 12 heifers and 11 bulls to the Wortham Hereford Ranch in Ashdown, Texas.

V. E. Hafner sold Ray Grimes, both of Childress, Texas, 12 Hereford heifers.

W. P. Herron, Farmersville and Electra, Texas, purchased several additions to their Polled Hereford herd from the W. R. Johnson Polled Hereford Ranch, Jacksboro, Texas, including a herd bull prospect of Woodrow Mischief and Rollo breeding and a Larry Domino bred heifer to present to their daughter, Miss Thera Herron, head of the English department at SMU.

The Johnson ranch also sold a foundation herd of ten cows with four calves at side to a new breeder, Joe Grissom, Jr., Waco.

Nine Hereford heifers were sold by Otto Hendrix, McCurtain, Okla., to Oscar H. Gillett, Keota, Okla.

E. E. Irby, Wilson, Okla., bought six Hereford heifers and one bull from J. O. Guthrie & Son, Wilson, Okla.

In Stratford, Texas, 16 Hereford cows were sold by Elmer Hudson to Paul Adudell.

In Mt. Vernon, Texas, Jim Long bought eight Hereford cows, three heifers and three bulls from J. Harris St. Clair.

In Fredonia, Texas, G. T. Roberts sold 14 Hereford cows and three bulls to W. C. Ellison.

The Milligan Bros., Streetman, Texas, sold nine Hereford heifers to D. G. Talbot, Fort Worth, Texas.

Ten Hereford heifers were sold by the Dudley Bros., Comanche, Texas, to E. M. Mittendorff, Shipman, Va.

Ten Hereford heifers were purchased by Roger G. Coleman, Paris, Texas, from Rob Dodson, Summer, Texas.

George Curtis, Pearsall, Texas, bought five Hereford heifers and three bulls from Walter Allen, Encinal, Texas.

The Wegenhoft Bros. of Columbus, Texas, recently bought seven Hereford bulls from W. H. Hammon in Wichita Falls, Texas.

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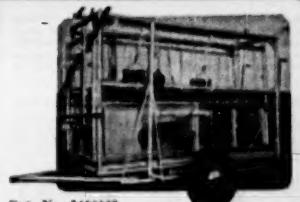
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The Cattleman

Experimental Control of Poisonous Range Plants

By OMER E. SPERRY, Professor,
Department of Range and Forestry,
Texas Agricultural Experiment Station,
The Texas A. & M. College System

POISONOUS plants as a range problem have increased in importance in recent years. With stocking rates maintained at a high level or increased during the past 50 years, the actual carrying capacity of our ranges has been greatly reduced. The change from open range to fenced pastures has restricted animal movement and their choice of forage. Instead of abundant grass, weeds and browse have necessarily been taken in larger quantities. In this way, poisonous plants, although always present on our ranges, are frequently consumed in lethal amounts. Ranchmen are thus faced with a range management problem of plant eradication and control. Eradication can be carried out in small areas and on a limited scale, but over large areas control must be achieved if poisoning is to be averted.

Although the experimental work and investigations with poisonous plants in the Department of Range and Forestry have been in progress for about four years, this report is based primarily on the results obtained during 1950. Investigations have been made on about 20 species of plants poisonous to range livestock and control work has been carried on with herbicides on 10 species. Poisonous plants are widespread over Texas but most major losses occur over the western portion. Research has been centered in eight counties, with much of it in the area of the Animal Disease Laboratory at Marfa.

Bitterweed

Bitterweed, *Actaea odorata*, investigations have been mostly in Runnels and Sterling counties. Several ranchmen, Extension Service workers, chemical companies and commercial spray operators have cooperated in the work. Two lines of investigations are in progress. The most intensive is with the use of herbicides as a control measure, but deferment and lighter stocking are getting much attention. Where range management principles have been followed (mostly reduced stocking and rest periods during the growing season), much progress has been made with herbicide control on bitterweed. Spraying results have been erratic but the trend for best results lies around spraying before plants are in bloom; making treatment on physiologically vigorous plants, primarily in relation to moisture; and applying enough herbicide to make a lethal dose. The type of equipment with which sprays are applied is also important. The buffalo turbine spray has gotten the best results with bitterweed to date. The esters of 2, 4-D, at concentrations of 2,000 ppm. in wetting sprays, have obtained the best kill on small hand-sprayed plots. Best large scale kills have been obtained with the esters of 2, 4-D at approximately 1 pound of acid equivalent per acre, with 30 to 50 gallons of water as carrier. Low volume treatments ($\frac{1}{4}$ gallon of water per acre) with less than $\frac{1}{4}$ pound of 2, 4-D have obtained good kill on physiologically vigorous plants when applied with a buffalo turbine. The amines of 2, 4-D, being slower in reaction, and 2, 4, 5-T, getting very little kill, have not proved as desirable for control work.

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A study of bitterweed seed formation and germination indicated that seed maturation is not inhibited by 2, 4-D, and about equal germination rates have been obtained from seeds of treated and untreated plants.

Rayless Goldenrod

Work on rayless goldenrod, *Aplopappus heterophyllus*, started in January, 1949. Excellent kill was obtained during that year on plots sprayed in April and May with esters of 2, 4-D applied as wetting sprays at 2,000 and 4,000 ppm. The plots treated in January, March and June had from 63 to 79 per cent kill during the first year. No live plants were found on the treated plots in late October, 1950. These trials indicate that rayless goldenrod is very susceptible to 2, 4-D and that ultimate kill of some plants cannot be expected until the second growing season. Four 20-acre sites were sprayed by airplane in May, 1950, using both 2, 4-D and 2, 4, 5-T in various combinations. The carrier used was 1 gallon of diesel oil and 2 gallons of water per acre. On October 30, 42.4 per cent showed top kill with 1 pound acid equivalent of ester of 2, 4, 5-T per acre; esters of 2, 4-D and 2, 4, 5-T, in the ratio of 2 to 1, at the rate of 1 pound per acre, obtained 99.75 per cent kill; one-half pound acid equivalent of the ester of 2, 4-D obtained 60.4 per cent kill and 1 pound of 2, 4-D killed 52 per cent of the rayless goldenrod. The normal die-off on untreated check plots was 9 per cent. Since this is a perennial and these initial data may be largely top kill, final results will not be known until after another growing season.

Peavine

Peavine, *Astragalus emoryanus* and *A. nuttallianus*, from Llano and Presidio counties, was used in experimental feeding work during the spring of 1950. Peavine from Llano County, although toxic to cattle, did not prove toxic when fed to sheep and guinea pigs, while peavine from Presidio County was lethal to both. Calcium chloride, calcium gluconate and monosodium phosphate tended to increase the toxicity of peavine when given to the animal along with peavine. These data indicate a definite mineral-soil relationship and emphasize earlier reports of the toxic nature of peavine on certain soil types over limited areas.

The best kill of peavine was obtained with the higher concentrations (4,000 ppm.) of 2, 4-D and 2, 4, 5-T, and a combination of the two, when applied as wetting sprays. Two per cent clear diesel oil added to sprays did not appreciably increase the rate of kill. Results obtained were not all consistent, but 5 out of 7 hand-sprayed series obtained from 91 to 100 per cent kill with the higher concentrations. Low soil moisture appears to be a limiting factor. Continued germination of this annual following rains offset much of our kill data during the spring months. About 112 plots, from .005 to .5 acre in size, were treated with various formulations and concentrations from late February until early May, 1950. Vigor of growth in relation to moisture, and the amount of herbicide used were probably more important than the time of year treated. The larger areas were treated with boom spray equipment but the rate of kill was low and unsatisfactory.

Loco

There are two species of *Astragalus* in the Trans-Pecos area known commonly as loco. These are *A. earleyi*, usually called narrow leaf loco, and *A. mollissi-*

mus, called woolly loco. Sixty small, hand-sprayed and 10 half-acre machine-sprayed plots were put out in 1950. The smaller hand-sprayed plots had better kill results than the larger machine-sprayed plots. Approximately 12 formulations and concentrations were used on the smaller plots, and 2, 4-D only on the larger areas. Except during very dry periods, the results have been quite satisfactory. Ninety to 100 per cent kill has been obtained when moisture was sufficient for good growth and when loco was treated with esters of 2, 4-D at the acid equivalent of one pound or more per acre with high moisture application.

Garboncillo

Garboncillo, *Astragalus woottoni*, was sprayed with the same general series of sprays as loco and peavine. These four species of *Astragalus* often grow in the

same habitat. Three series of 12 formulations were applied with hand-sprays in March. The best kill, 90 per cent and better, was obtained with a combination of the esters of 2, 4-D and 2, 4, 5-T. Four half-acre machine-sprayed plots were put out in March and April. The best kill on the large-scale treatments was about 50 per cent.

Groundsel

Riddell's groundsel, *Senecio riddellii*, is probably the greatest killer of cattle in the Trans-Pecos area. Woolly groundsel, *S. longilobus*, is also prevalent and undoubtedly contributes to the losses. All hand-spraying treatments of these two species with the esters of 2, 4-D and combinations of equal parts of 2, 4-D and 2, 4, 5-T at concentrations of 4,000 ppm., have given excellent results. Eighty-four hand-sprayed plots were put out in 1950



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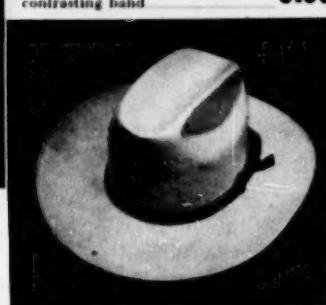
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in an attempt to determine the best season, stage of plant growth and formulation for effective economic treatment of the groundsel. Eight machine-sprayed plots of about a half-acre each were also run and good to excellent results were obtained. Overall satisfactory kill was obtained when physiologically vigorous plants were treated from late spring until the pre bloom stage in late summer. The kill obtained on upland dry sites was low in comparison with sites treated on the deeper valley soils.

Desert Baileya

A good kill of desert baileya, *Baileya multiradiata*, was obtained with 2, 4-D in a single treatment in 1949 but not enough of the weeds were available in the experimental area in 1960 to confirm the results.

Conclusions

It is evident that herbicidal control of poisonous range plants is effective and practical as a good range management practice. When applied to large acreages, the cost, depending on herbicide and concentrations used, runs from around \$2.00 to about \$4.00 per acre. Lighter stocking, deferment of poor-condition ranges and the isolation of hazard sites should be practiced along with herbicidal control if lasting benefits are to be realized.

Treasury Acquiesces in Capital Gains—With Reservations

By STEPHEN H. HART
Attorney for National Live Stock Tax Committee

THE Treasury Department has finally announced its acquiescence in the court cases which have upheld a livestock operator's right to claim capital gains on sales of livestock used for draft, breeding or dairy purposes. The battle has raged for several years between the Treasury which held that the capital gains privilege applied only to sales in reduction of the herd, and taxpayers who claim capital gains on all sales of livestock so used. The courts sided with the taxpayers, and case after case came down in their favor. The Treasury Department stuck to its guns and continued to audit returns and deny refunds on the basis of its interpretation. Only a few days ago bills were introduced in Congress by Representatives Curtis of Nebraska and Granger of Utah, members of the tax drafting Ways and Means Committee, to force the Treasury into line with the courts. Finally on April 20 the Treasury capitulated and announced its acquiescence.

But there is a catch, and more conflict and confusion are ahead. The formal rulings have not yet been published, but from the press releases it is apparent that the Treasury has gone only part way. The Treasury is trying to differentiate between animals normally held for their full breeding usefulness and those normally sold at an earlier date. The releases state that ordinarily capital gains will be recognized with respect to "dairy or breeding cattle, horses, etc." denied for "hogs, chickens, turkeys, etc." On the merits sheep should qualify along with cattle and horses, but the Treasury's announcement has not yet made this clear. Also, there are rumblings to the effect that the Treasury will rewrite its rulings so as to restrict capital gains on immature animals. Under present rulings, heifers and ewe lambs held for replacement in the breeding herd

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and then sold for some unforeseen reason are treated as capital assets. Also, there are rumors of retaliation by denying livestock operators the use of the cash basis and the continuance of low inventory values established in prior years. Accordingly, it is hoped that Congress will proceed with its legislation so as to put all phases of the controversy finally to rest.

In the meantime, cattle and sheep raisers should file their returns claiming capital gains on all sales of animals held for use by them for breeding and dairy purposes. Also, they should file claims for refund of taxes overpaid in prior years. Claims for refund may be filed within two years within the date of payment of tax, or three years within the time of the filing of the return, whichever is later.

New Use for Penicillin in Cattle

PENICILLIN is getting a trial in the prevention of shipping fever and related respiratory ailments in cattle being transported by truck and rail.

According to a new report some veterinarians are giving cattle an injection of long-lasting penicillin before loading for shipment to shows or sales.

A single injection provides the blood stream with a protective level of the drug for about five days—usually long enough for even the longest trip to be completed. Idea behind it is that the penicillin will fight off certain disease-producing germs that try to attack the animal.

The preshipment injection is not regarded as foolproof protection, but observers think it has enough advantages to warrant its use, particularly in valuable cattle.

There is no indication that it will replace shipping fever vaccination which, though not always effective, has been the most dependable means of preventing the disease.

Record Shorthorn Sales

THE official records of the American Shorthorn Breeders' Assn., at Chicago, Ill., show that Shorthorn and Polled Shorthorn breeders throughout the country have established a new record high average of \$598 for bulls sold at reported public auctions during the first quarter of the calendar year. This new record represents an increase of 51 per cent in prices over the same period last year and is evidence of greatly increased demand for Shorthorn and Polled Shorthorn breeding animals.

Gross sales for 1951 show that 1124 purebred Shorthorn and Polled Shorthorn bulls were sold at auction for a total of \$672,413, as compared to 1044 bulls for the first quarter of 1950, at a total of \$413,392. This increase of more than a quarter of a million dollars has meant the addition of \$202 to the average value of every bull sold by the breeders at the 44 public auctions held this year.

The combined bull and female average, representing 1950 cattle, comes to \$550 per head at each of those auctions. This average applied to the 9964 private sales on record with the Association during the first quarter of 1951 amounts to a record of \$5,480,200 returned to breeder-members of the American Shorthorn Breeders' Association during January, February and March of the present year.



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Jack of All Jobs

By ARCH ANDREWS

"JUST tie it on the fence, Shorty," said Jake Petty as he answered his new hired hand's question. Shorty had asked what to do with the snarled mass of baling wire that had accumulated after the day's cattle feeding. Being new on the outfit and eager to please, he searched out a vacant spot on the fence and added the day's collection of wriggly iron to an already overburdened post and promptly forgot about it.

When the boss decided to repair the fence the following summer, however, Shorty had to spend a half day untangling the mess of clinging wires that had accumulated before the actual job

of fence repair could begin. Needless to say, he accompanied each jerk and pull he made at the stubbornly hanging wires with bits of his choicest vocabulary that would definitely be frowned upon in all circles of the ministry.

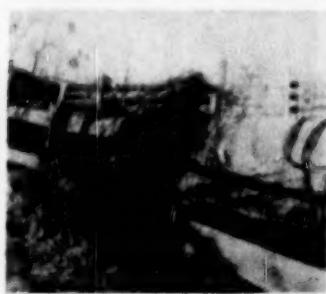
Like Shorty's boss, many a well-meaning modern rancher and ranch foreman that is faced with a multitude of complex problems every day just simply overlooks the seemingly trivial haywire problem. To see the heaps of wire tied up around some outfits, however, one might decide the problem could use a little more attention. As an humble by-product to the hay baling industry, baling wire seems to scarcely rate a second thought.

Outside of the eras when cattle were raised chiefly for their hides and buffalo hides were flooding the market, the rawhide our forefathers once used to such advantage has always been a by-product of the cattle industry. Without this rawhide, the conquering and domesticating of Texas and its lesser satellites would have been much more difficult. It was from rawhide that pioneers were able to fashion many of their countless necessities, a few of which were hobbles for horses and oxen, shoes, bindings of all sorts, harness, rawhide riata or lariats, and chair bottoms.

At present, most of the West has been well conquered and domesticated—

some folks even go so far as to call it civilized. During the period of conquering and domestication, rawhide was used to sort of hold the pioneer type of civilization together—kind of a piece of handy equipment to be used or substituted for many articles unavailable at that time. Now the days of rawhide are about over, but it is not being missed. What has taken its place in our modern agricultural civilization? What's helping to make our farms and ranches tick? Which one mechanical article would be missed the most if the average American farmer and ranchman were forced to do without it?

Of course you know by now—it's that immensely overworked and highly underpraised article that is the very epi-

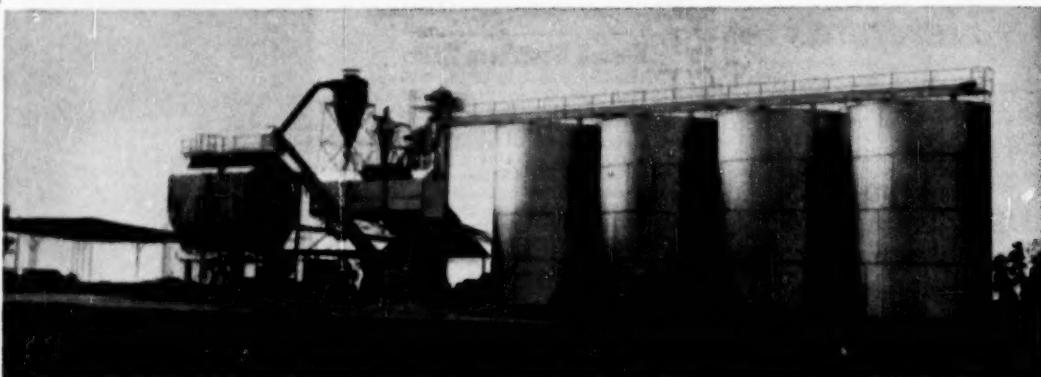


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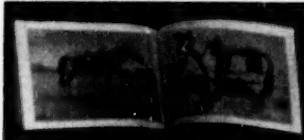
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The only trouble with this barrel for used baling wire is that it is cut in the open. The horse in the background pulled a lot of the wire out of the barrel.

some of versatility—balin' wire—alias hay wire.

It is as much a part of rural life as mountain oysters on a Texas ranch, or fatback and turnip greens in the Deep South. The word "haywire" has actually crept into American slang, and is used as a civilian counterpart to the American GI's "SNAFU", "TARPUS", "FUBAR", etc. As for versatility, baling wire is used for everything from "tin-canning" a stray dog to substituting for a button on grandpa's overalls. Concerning its abundance—it might well be said that one of rural America's greatest resources is its supply of second hand baling wire.

Even the most efficiently managed agricultural enterprise is certain to have a few strands of baling wire in use at all times. The average farm or ranch would literally fall apart if all the hay wire were suddenly removed from it and not replaced with something else.

Having been reared on a "balin' wire outfit" myself, I grew up in the midst of some very ingenious ideas on how to make life a little more bearable—at least temporarily—by the skilled usage of a usually rusty piece of haywire.

To those unfortunate city folk who have never realized the privilege of having a ready source of baling wire at their disposal, I am sure some of its less common uses would be little less than appalling. For instance—I have always been awed by the way a heavy plank gate that has fallen off its hinges can be made to swing quite nicely most of its distance around, simply by applying the "haywire treatment" in the proper places.

Of course, baling wire is always applied temporarily, usually in the midst of a very important job when the time for proper repairs cannot be spared. The real "haywire artist" is always "gonna fix it up right tomorrow", but when tomorrow arrives with other tasks of great importance and the wired up

(Continued on Page 107)



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Texas Livestock Markets' Review

Price Range at Fort Worth, Houston and San Antonio During Past Month

FORT WORTH Trade on the Fort Worth Livestock Market during April was very uneven, with most classes of cattle unevenly higher. However, most of the good and choice grades of steers and yearlings were lower. Receipts of cattle and calves during the first three weeks of April showed slightly increased numbers compared with arrivals a year ago. Hog receipts were down and less than one-fourth of the sheep were offered than for the same period a year ago.

A large share of the mature cattle offerings were yearlings, including numerous stockers and feeders. Recent sales compared with a month ago show good and choice slaughter steers, yearlings and heifers selling from steady to \$1.00 lower. Utility and commercial grades of steers, yearlings and heifers are strong to \$1.00 higher. Most cows are \$1.00 higher, with cannery steady to 50¢ higher. Bulls are mostly \$1.00 higher, with some sales \$2.00 up. Slaughter calves are \$1.00 higher, spots \$2.00 higher. Stocker and feeder steers and yearlings are from \$1.00@\$3.00 higher, with some common kind only steady. Good and choice stocker calves are from \$2.00@\$4.00 higher, with others steady to \$1.00 up.

Good and choice beef steers, yearlings and heifers are selling largely from \$32.50@\$35.50, with a few choice and prime from \$36.00@\$37.50 and up to \$38.00 earlier in the month. Utility and commercial grades turned from \$28.00@\$32.00.

A few good cows reached \$29.00, with most utility and commercial cows going from \$25.00@\$28.50. Cannery and cutter cows ranged from \$18.00@\$25.00. Bulls sold mostly from \$28.00@\$31.00, with Brahman bulls to \$31.00 and cutter bulls down to \$24.00.

Choice slaughter calves crossed the scales from \$14.00@\$16.00, with a few prime \$16.50@\$17.00. Most commercial and good calves cleared from \$10.00@\$14.00, with cull and utility \$21.00@\$28.00, some under \$21.00.

Stockers have been more plentiful than other classes. Medium and good stocker and feeder steers and yearlings are moving out from \$30.00@\$36.00. Similar stocker calves ranged from \$30.00@\$45.00.

Good and choice stocker calves turned from \$40.00@\$45.00, with some small calves up to \$50.00 and a few at \$60.00. Fleshy yearling feeder steers moved at \$38.00 and light weight stocker yearlings from \$40.00@\$42.00. Medium and good stocker cows moved from \$26.00@\$30.00, a few at \$31.00.

Supplies in the sheep yards were largely spring lambs and old crop shorn lambs, with only a few yearlings and aged sheep. Recent sales of spring lambs were steady with a month previous. Shorn slaughter lambs are \$1.00@\$2.00 lower and shorn feeder lambs \$1.50@\$2.50 lower. Medium to choice spring lambs are selling from \$32.00@\$36.00. Good and choice shorn lambs with No. 3 to No. 1 pelts from \$30.00@\$33.00 and shorn feeder lambs \$26.00@\$29.00, fleshy feeders to \$30.00. Cull to good shorn slaughter ewes \$12.50@\$20.00.

Butcher hogs on April 20th were 50¢ lower than a month previous, sows 50¢ higher and feeder pigs steady. Good and choice 190-290 lbs. turned recently from \$21.00 to \$21.25. Good and choice 150-180 lbs. cleared from \$19.50@\$20.75. Sows sold from \$17.50@\$19.00 and feeder pigs moved all month from \$15.00@\$19.00.

SAN ANTONIO Slaughter classes of cattle on the San Antonio market held generally steady during April with the exceptions of slaughter steers, yearlings and cows. Slaughter steers and yearlings were steady to mostly 50¢ lower when compared with the previous month and cows were unevenly strong to 50¢ higher, with most of the upturn on beef types. Stocker calves were unevenly steady to 82 higher but at the close of the third week of the period there was a lower trend from the peak prices recorded in mid-April.

Slaughter steer trading uncovered load-lots good and average choice 944-lb. fed offerings at \$36.00. Bulk good and choice slaughter steers and yearlings moved in a \$34.00@\$35.50 price spread. Load-lots good \$80-998 lb. steers cashed at \$35.50. Commercial and low good bulked at \$33.00@\$34.50 and utility \$27.00@\$29.50.

Commercial cows bulked at \$29.00@\$30.00, with high-dressing offerings going at \$31.00. Utility were listed at \$25.00@

\$28.00, cannery and cutters \$18.00@\$25.00. Utility and commercial bulls claimed \$25.00@\$29.00.

Trading in slaughter calves was marked by scarcity of supplies throughout the period. Commercial, good and a few choice ranged from \$30.00@\$36.00. Cull and utility took \$22.00@\$29.00.

Medium and good whiteface calves 300 lbs. and above changed hands at \$33.00@\$40.00. Good and choice 250-300 lbs. earned \$41.00@\$43.00 and occasional lots around 200 lbs. at \$40.00@\$50.00. Medium and good yearlings commanded \$32.00@\$35.00. Load-lots medium 1080-lb. stocker and feeder steers turned \$32.00@\$32.50. Common cows sold at \$22.00@\$25.50. Common and medium cows with calves at side cleared \$175.00 to \$292.50 per pair.

All hog prices showed slight recessions from the previous month's close. Butchers were mostly 50¢ lower; sows 75¢ to instances \$1.00 lower and feeder pigs were 50¢ to 75¢ lower. Good and choice 180-270 lb. butchers turned at \$20.75@\$21.25. Bulk of sows moved in an \$18.50@\$19.25 spread. Good and choice 80-140 lb. feeder pigs took \$18.00@\$19.00.

Sheep receipts were limited to comparatively small numbers with prices holding generally steady. Medium to choice No. 3 pelt lambs scored \$28.00@\$30.00; cull and common \$20.00@\$22.00. Bulk medium and good No. 3 pelt ewes and wethers sold at \$19.00@\$20.50. Good and choice fresh-shorn wethers earned \$19.50@\$21.00. Medium and good shorn 2-year-olds made \$25.00@\$26.50. Medium and good spring feeder lambs commanded \$27.00@\$28.00. Comparable grades shorn feeder yearlings also earned \$23.00@\$28.00.

Goat prices showed a slightly higher trend at the close of the period. Medium and good Angoras in the hair reached \$22.00@\$23.00, common and medium shorn Angoras and Spanish type sold at \$16.00@\$17.00. Bulk of kids moved in a \$5.00@\$6.50 price spread.

HOUSTON Trading was active at the Port City Stockyards during the past month for all available classes of cattle and calves. Cows suitable for boning purposes and slaughter

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calves were in broad demand and stocker calves moved briskly at all times.

The saleable supplies were very small during the period, part of which can be attributed to adverse weather conditions. A few loads of steers and yearlings arrived but the bulk of the mature cattle receipts was comprised of cows. Bulls were offered in small lots and individually. Stocker calves outnumbered those in condition for slaughter purposes many days of the past month and were mostly of Brahman and mixed breeds.

The month's total saleable receipts amounted to approximately 2,200 cattle and 4,960 calves, showing about equal numbers of cattle but a decline of 1,200 calves in comparison with the preceding month. During the corresponding period of 1960, 4,686 cattle and 8,664 calves were offered for sale, or almost twice the numbers offered during the past month.

Price advances were paid for both slaughter cows and slaughter yearlings and calves during the month while other represented classes went at fully steady prices. During the month's time, both slaughter cows and calves gradually gained about \$1.50. Good and choice slaughter steers and yearlings moved from \$34.00@36.75. Utility and commercial cows went out from \$26.50@29.50 at the month's close, while canner and cutter grades cashed from \$21.00@26.00. Very few hard emaciated cows sold down to \$17.00. Cutter and utility bulls brought from \$25.00@28.00 and commercial to \$29.00. The high price for consignments of choice slaughter calves was \$38.00 with outstanding individuals to \$38.50. Good grade moved mainly from \$36.50@37.50, utility and commercial at \$29.50@36.50 and culs from \$24.00@28.00. Stocker steers sold from \$25.00@30.00 and most cows were in the same range with a few heifers to \$32.00. Medium and good white face stocker calves brought from \$33.00@37.00, lightweights and heifers to \$40.00. Most Brahman and mixed breed stocker calves sold from \$35.00@36.00 with light weight calves and heifers at \$38.00@40.00.

Jack of All Jobs

(Continued from Page 105)

device is still functioning smoothly, the proper repair seems unimportant. As a result, most objects repaired with baling wire are allowed to operate in that state of repair until they break down again, at which time it is very simple to put in a new piece of hay-wire. Thus the process usually goes on endlessly.

Many hours of newsy party line conversation have been carried on over telephone lines that were spliced with haywire. It is practically an impossibility to find any early model automobile (as well as a lot of new ones) on the road that doesn't have a few wraps of hay-wire thrown into the trunk or hooked on somewhere to be used in emergencies. Practically every piece of farm machinery that is not brand new will have haywire on it somewhere.

Along with all its many wonderful uses and advantages, baling wire carries its full share of dangerous liabilities and disadvantages. Veritably everything that moves is subject to entanglement by it. Usually found in an open loop, twisted bundle, or hanging from a convenient fence or tree, it presents a serious hazard to livestock. Frequently it wraps around an animal's foot so

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BENJAMIN, TEXAS

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ANXIETY Hereford BREEDERS

In the bull progeny feeding test just concluded at the Texas Agricultural Experimental Station Pan-Tex Farm the three top gaining pens of the twenty in the test were by sires carrying a strong infusion of Anxiety blood.

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The Cattlemen

tightly as to cause permanent crippling. The presence of haywire also provides a constant menace to all intricate machinery, and has been the cause of many costly breakdowns and repairs.

As long as hay is baled with wire and fed to livestock, baling wire will be found tied on the fences. There seems to be an irrepressible urge among all stockmen to take the wire from the bale and tie it on the nearest fence, with never a worry or a care about removing the mess when the fence has to be repaired. There is one argument in favor of this practice, however. There never is any question as to where the wire can be found when a new emergency arises.

Even with all its myriads of uses, on a ranch where much wire-baled hay is fed there is always quite an accumulation of haywire during the feeding season. What to do with this surplus is a problem for some serious thought. To dump it in a pasture only means future entanglement for livestock—for if only one strand is lying in the entire pasture, some steer or calf will get a foot caught in it.

Some enterprising individuals straighten the wire and re-use it, but today's high labor costs make that method rather unattractive.

Giving haywire away is practically an impossibility for the average rancher or farmer, because usually his neighbor has just as much or more on hand than he does. Baling wire seems to be something that everyone needs and uses sooner or later, yet no one wants.

Perhaps the best solution for getting rid of the surplus haywire pest is to store it in an out-of-the-way place and at the end of the feeding season haul it to the nearest city dump. Another possibility is to throw it down an old, abandoned well that is otherwise kept covered. At the Fort Worth stockyards large boxes are placed in convenient spots and labeled "FOR BALING WIRE" in bold letters that dare you to overlook them. All these methods seem like a rather inglorious end for such a friend in the time of need, but something must be done with it.

Baling wire seems to be the most unsung hero of our modern agricultural civilization. After weighing its assets against its disadvantages, one easily surmises that, if handled properly, baling wire is about the handiest piece of equipment yet invented. Any ranch operator who feeds wire-baled hay can probably count at least ten places where baling wire is being used on his place.

Yes—it's probably true that the pioneers would have had a rough time conquering the country without rawhide—but where would we be today without haywire to hold it together?

Horse Disease Season

ALTHOUGH numbers of farm horses and mules have skidded to an all-time low, there are still nearly seven million of them left to keep the sleeping sickness "bug" in business this summer. A seasonal bulletin from the American Veterinary Medical Association reminds horse and mule owners that vaccination against the virus disease called equine encephalomyelitis or sleeping sickness should be done before summer begins.

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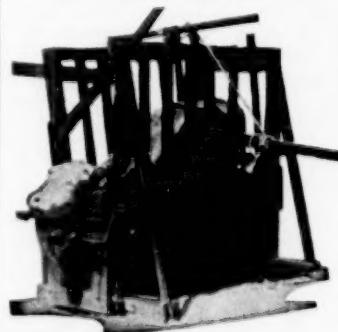
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CUNNINGHAM, KANSAS

Range News of the Southwest

Texas

Spring range and pasture grass development over most of the state has been slowed by dry, cool weather during March. Rescue grass, clovers and winter weeds germinated in central and eastern counties following the mid-February rains, but dry, cool windy weather dissipated this limited moisture and checked development of urgently needed new feed. Soaking late March rains in central, southeast, and the critically dry southern counties should, with warmer weather, soon bring on new feed in that favored area. In the west and northwest, limited surface moisture was available from the late March light rain and snow, but warmer weather was needed to bring on new feed. Heavy supplement feeding has continued on most farms and ranches. A fair supply of dry grass was still available in the High Plains and some Trans-Pecos areas, but short in other areas. Condition of all range feed was reported at 71 per cent, the lowest for that date since 1935. This was only a two point improvement during March compared with an average improvement of four points, and also nine points below the average April 1 condition of 80 per cent.

Cows were coming through the winter in fair condition primarily because of heavy supplemental feeding. Most ranchers and farmers report a very good calf crop. However, because of lack of green feed, milk flow is very low unless cows receive supplemental protein feed. In South Texas, cattle are thin and weak, but will soon recover as supply of range feed improves. Demand for stocker cattle continues very strong. Condition of all cattle on April 1 was reported at 77 per cent, the same as reported a month earlier, but five points below the condi-

tion reported a year ago. The 10-year average condition for this season of the year is 80 per cent.

Ewes are coming through the winter in fair condition, primarily because of heavy supplemental feeding. Dry, cool weather has delayed start of green feed over the main sheep country, and milk flow is very low. Lambs were making poor progress unless ewes were fed. Lamb losses are reported to be somewhat heavier than usual. Because of the absence of green feed, practically all of the April and early May marketings will carry only feeder flesh. Bulk of the yearling ewes will be held for breeding stock which will curtail volume of the spring movement. Goat and sheep shearing was well advanced in southern and central Plateau counties and sheep shearing was just getting started in western and northern Plateau and the Trans-Pecos counties. Ewes and lambs were reported at 75 per cent condition on April 1. This records a contra-seasonal two-point decline during March. The 10-year average April 1 condition is 82 per cent.

Cattle Sales and Prices

Where sex is not given on sales, excepting calves, the reference is to steers. As "The Cattlemen" goes to press several days before date of release, range conditions may have changed since these reports were made.

ALBANY—Bill Hill, Albany, sold 100 two-year-old steers to Lester Ivy, Albany.

Gene Pickard, Albany, sold 100 two-year-old steers to Horchem & Bixler, Emporia, Kans.

Pickard & Stribling, Albany, sold 100 two-year-old steers to Jarboe Comm. Co., Parsons, Kans.

Sam Davis, Throckmorton, sold 150

mixed yearlings to Clarence Whitmire, Woodson.

From Oct. 1, 1950, to April 1, 1951, is the driest six months on record for a similar period or any other six months on record in this county. One 1.54 inches of rain have fallen during the entire six months and the average yearly rainfall is 25.65 inches.—J. R. Webb.

AMARILLO—S. Weisbart & Co., Dumas, shipped 139 two-year-old steers to Fort Morgan, Colo., feed lots; and 3,569 one- and two-year-old heifers and steers to Brush, Colo.

Fred Parks, Wisner, Nebr., bought 292 steer yearlings from Tuttle, Thompson & Tuttle, Stratford.

Bob Brent, Dumas, sold 71 heifer yearlings to Bob Myers, Denver, Colo.

Fred Hill, Amarillo, bought 155 two-year-old steers from Pike Cluck, Dumas; 123 from Jim McMurtry, Amarillo; and shipped 147 steer and heifer yearlings to Montoya, N. M., for grass.

Carl Kuper, Dalhart, shipped 670 one-, two- and three-year-old steers to Cassoday, Kans., for grass.

Gerry & Walker, Dalhart, sold 140 yearling heifers and steers to Wm. Brown, Hostetter, Penna.

Joe L. Smith, Dalhart, sold 375 yearling steers to Lewis Dinkedge, Lexington, Nebr.

Joe Keast, Hartley, sold 193 two- and three-year-old steers to Geo. Kein, Windsor, Colo.

George Porter, Amarillo, shipped 119 two-year-old steers and cows to California and Kansas points for grass.

R. A. Fluit, Hereford, sold 354 yearling steers to Dan Cameron, Yuma, Ariz.

Bob Hulett, Amarillo, sold 120 heifer yearlings to Newby & Son, Plattsburg,

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WORKS TWICE AS FAST! Fully Automatic

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May

The Cattlemen

National Livestock Commission Company of Texas

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SOUTHWESTERN LOCAL & LONG DISTANCE PHONES MA-3124 AND MA-3125

Please Ryan and Ben Lutospach, Cattle; Bill Fow, Calves; George Jones, Hogs; Everett Cooper, Sheep.

Mo.; 490 steer yearlings to L. B. Dudley, Bushland; and bought 81 two-year-old steers from McGhee Bros., Wayside.

Bill Huett, Amarillo, sold 400 yearlings to E. L. Prey, Greeley Junction, Colo.; and shipped 1,196 yearling steers to Mumford Feed Lots, Greeley Junction.

Glasscock & Leslie, Adrian, sold 116 yearling heifers and steers to Chicago Producers Co., Evansville, Ind.

C. M. Crews, Adrian, shipped 33 yearling steers to Kansas grass.

Fluit & Hutchinson, Hereford, sold 365 yearling steers and heifers to McKinley, Dodge City, Kans.

Cozy Everts, Everts, shipped 128 cows and calves to Campo, Colo., for grass.

C. H. Woods, Amarillo, sold 103 heifer yearlings to David Bros., Easton, Colo.

H. C. McDonald, Happy, shipped 130 steer yearlings to Clayton, N. M., for grass.

Bob Andis, Skellytown, sold 36 heifer yearlings to Mumford Feed Lots, Greeley Junction, Colo.

Cleo Norwood, Amarillo, sold 281 steer yearlings to Wertheimer Cattle Co., Ennis, N. M.

Sanford Est., Fritch, shipped 258 steer and heifer yearlings to Rosebud, N. M., for grass.

Bill Hammitt, Happy, sold 631 steer and heifer yearlings to I. C. Little, Timberlake, S. D.

Tom Cobb, Claude, sold 113 heifer yearlings to Chas. Ford, Amarillo.

W. H. Kimble, Amarillo, sold 320 heifer yearlings to Hanks Bros., Denver, Colo.

Ed McMurry, Vigo Park, sold 40 steer yearlings to Missouri parties.

T. L. Roach & Son, Amarillo, sold 620 steer yearlings to F. Sweet, Channing.

Peter Cator, Capps, sold 212 two-year-old steers to Wertheimer Cattle Co., Windsor, Colo.

Taylor & Dattle, Stratford, sold 348 steer yearlings to Harvey Harris, Sterling, Colo.; and 170 heifer yearlings to Gil Graher, Littlefield.

Clyde Martin, Stratford, sold 593 steer yearlings to Omaha Packing Co., Omaha, Nebr.

Cline Cattle Co., Dumas, shipped 140 heifer and steer yearlings to Parsons, Kans., and 238 heifer and steer yearlings to Commercial Packing Co., California.

Clint Wilson, Dumas, sold 175 heifer

and steer yearlings to California parties.

Bob Heaten, Grand Junction, Colo., bought 138 heifer yearlings from B. & R. C. C. Co., Dumas.

Shelton & Chamberlain, Amarillo, sold 50 steer yearlings to Newby & Son, Plattsburg, Mo.

Syd Carter, Amarillo, sold 200 two-year-old steers to L. B. Merrill, Clovis, N. M.

Howard Watson, Amarillo, sold 100 heifer yearlings to E. E. Sanberger, Sterling, Colo.

W. H. Kimble, Amarillo, sold 476 steer yearlings to Live Stock Buying Co., Corcoran, Calif.

C. J. Cooper, Dumas, sold 324 two-year-old steers to C. H. Meeker, Dodge City, Kans.

Reed Curtis, Vega, sold 385 heifer yearlings to Wilson & Co., LaJunta, Colo.

Floyd Brown, Adrian, sold 545 heifer yearlings to Hudson, Colo., parties.

Montgomery & Brown, Vega, sold 393 two- and three-year-old steers to Griffith Grain Co., Farragut, Iowa.

Range cattle wintered in good condition. We need moisture and warm weather to start grass. There is quite a lot of shipping off of wheat pastures to northern feed lots and for summer grazing. There is some contracting of calves for fall delivery.

Dry cows are selling \$225 to \$375; cows with calves, \$250 to \$375; yearling steers, 30c to 40c; twos, 28c to 35c.—N. H. Sweeney.

ARCH. NEW MEX.—Merrill & Lewis, Arch, sold 300 steers to Swift & Co., and a load of bulls to California parties; and shipped 600 Hereford cows to Kansas to grass.

Bun Lewis moved 500 steers to Clayton for the summer season.

Robert Masterson, Guthrie, sold 200 mixed Angus steer and heifer shorts to California parties.

There is not much country trading but plenty of calf and yearling contracts are being written for fall, yearlings from 32c to 35c and above, and calves, 35c to 40c, with extreme tops 45c and even 50c for extra choice light weight calves. Grass is trying to get green but cold nights and high winds are keeping it back. Quite a number of cattlemen are about ready to stop feeding.—James A. Gowdy.

BENJAMIN—Noel Reynolds, Abilene, bought 450 steers from Joe Espy & Son, Fort Davis; 630 mixed cattle from The

BRED HEIFERS For Sale

★ 335 good to choice foundation quality grade Hereford heifers.
Long yearlings and two's.

★ 50 head to calve in May and June. Others bred to start calving October 1st.

Will divide for sale as follows if desired:

- 50 head, calving now
- 150 in same brand to calve in fall
- 135 in another brand to calve in fall.

They are bred to good registered Hereford bulls mostly of Domino Return breeding. Can remain on present good pasture until July 1st without extra cost. Bulls on heifers now can be purchased if desired.

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Producers Mkt. Assn., Kansas City; and 50 yearling steers from Chas. Moorhouse Com. Co., Benjamin.

There has been very little trading in cattle on account of the dry weather. We have had some rain but not nearly enough to get us over the drought we have had. Grass is trying to grow but will need lots of rain to make it good.—Chas. Moorhouse.

CLARENDRON—Shelton & Chamberlain, Clarendon, sold 1,610 steer and heifer yearlings to Newby & Sons, Plattsburg, Mo.; 40 cows to R. O. Sensibaugh, Benjamin; 66 steer yearlings to Joe Miller & Co., Denver, Colo.; 160 steer and heifer yearlings to Mike Flynn, Kansas City, Mo.; 62 cows to Heckle Stark, Clarendon; 50 two-year-old steers to W. J. Lewis, Jr., Clarendon; and bought 70 cows from John Sims, Pampa; 184 steer and heifer yearlings from Fontayne Elmore, Clarendon; 184 steer yearlings from Idle & Cimpsey, Crowell; 130 steer and heifer yearlings from Marion Huston, Crowell; 78 steer and heifer yearlings from Meacham & Shelton, Memphis; 80 steers from J. H. McMurtry, Clarendon; 120 steer yearlings from E. L. Hensley, Altus, Okla.; 78 steer and heifer yearlings from Sim Reeves, South Plains; 75 heifer yearlings from Wm. SoReIle, Kreas; 339 steer and heifer yearlings from Heckle Stark, Clarendon; 116 from Ralph Britton, Groom; 35 steer yearlings from J. L. McMurtry & Son, Clarendon, and 160 steer and heifer yearlings from Rudolph Campbell, Claude.

Dan Camborn, Pampa, bought 397 cows from Wile Reynolds, Pampa, and sold 397 cows to Radford & Turpin, Bedford, Va.

Ralph Britton, Groom, sold 314 two-year-old heifers to Tullis & Ferguson, Capitaria, Calif.

S J Ranch, Wichita Falls, sold 172 two-year-old heifers to E. B. Mohr, Albia, Iowa.

C. T. McMurtry, Clarendon, sold 48 steer yearlings to Smiley Triplett, Amarillo.

Guy Andis & Son, Pampa, sold 361 heifer yearlings to Warren Montfort, Greeley, Colo.

Our grass has started but we need rain and warm weather. Cattle have wintered in fine condition.

Steer calves are selling 40c to 45c; heifer calves, 39c to 43c; dry cows, 26c to 25c; cows with calves \$275 to \$325; yearling steers, 37c to 40c.—A. T. Jeffries.

EL PASO—Peyton Packing Co., El Paso, bought 80 fat steers from R. C.

Ivey, McNary; 220 fat steers from Lea Aldwell; and 80 fat steers from Harry Stream, Clint.

Howard Surrett, Clint, sold 32 steers to Harry Stream, Clint.

Roy Davidson Est. sold 686 steers to Swift & Co., Fort Worth.

Very few cattle are moving. Cattle are doing fine but it is very dry in this part of the country.—R. E. Beaty.

HEBBERONVILLE—Paul Haddock & Son, Grove, Kan., bought 425 two-year-old steers from Bell & Aldrich, Dilley; and 60 three-year-old steers from Summers & Christian, Encinal.

Reuben R. Sr., and George H. Holbein, Hebronville, sold 93 Hereford cows and 42 calves to H. H. Thompson, San Antonio, which were shipped to Amarillo.

Jim Donnell, Aguilares, shipped 140 Hereford cows, bulls and steers to Greenwood County, Kansas, to grass.

Clay Eapy, Fort Davis, bought 320 steers from Shorty Neal, Cotulla, who had previously bought them from Kyle Drake, Laredo.

Traylor & Nunley, Encinal, have contracted to sell 625 steers to Cummings & Little, San Marcos, and 600 steers to E. B. Kincaid, Eagle Pass.

Roy Yeager, Hebronville, sold 67 dry cows and 77 Hereford cows with calves at side to H. H. Thompson, San Antonio,

who shipped them to an Arkansas point.

Guy H. Jr., and Pat J. Smith, McCoy, shipped 204 two-year-old steers to Bazaar, Kan., for grass.

Mrs. Sarita K. East, Sarita, shipped 501 Santa Gertrudis steers to Traylor & Nunley, Cassoday, Kan.

C. C. Tribble shipped 400 three-year-old steers, 69 cows and two bulls from his Encinal ranch to Cassoday, Kan., and Newkirk, Okla.

Fred W. Jefferies, Laredo, sold 171 two-year-old steers to English & Bryan, Pharr.

J. B. Parker, Encinal, sold 645 four-year-old Brahman steers to J. A. Hudelson & Son, Summit, Kan.

G. E. Light & Son, Artesia Wells, shipped 500 two- and three-year-old Brahman steers to Bazaar, Kan.

Light & Finley, Encinal, shipped 1392 two- and three-year-old steers to Matfield Green, Kan.

Jennings Bros., Laredo, sold a Brahman cow weighing 1000 pounds, at 30¢; three maverick bulls for \$669.60; and seven steers for \$1,567.07. These cattle came from their Zapata County ranch, where there is a lot of thick brush and had never been fed. They sold on the San Antonio market.

There is a greater demand for cattle than there is supply. Prices remain steady on all classes of livestock.

(Continued on Page 117)

DO YOU WANT A STOCKER-FEEDER DIVISION AT THE SOUTHWESTERN EXPOSITION AND FAT STOCK SHOW?

The management of the Southwestern Exposition and Fat Stock Show has been requested by many friends in the cattle industry to include in the 1952 Show a CARLOT STOCKER-FEEDER DIVISION. Many Corn Belt feeders have requested that stocker-feeder cattle be made available to them during the Stock Show at Fort Worth. Requests have also come from many producers. The Stock Show officials would like to have an expression from you. Will you please fill out the blank below and mail at once to the Southwestern Exposition and Fat Stock Show, P. O. Box 180, Fort Worth 1, Texas? There is no obligation, this is only an expression.

1. Would you like to see a STOCKER-FEEDER DIVISION included in the

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LIVESTOCK CALENDAR

HEREFORD SALES

May 9—L. L. Jones & Son, Garden City, Kans.
June 3 (Night)—Hereford Heaven Assn., Belpointe, Okla.
June 19—Bleeker L Ranch, Bryson, Texas.
Sept. 17, 18—Blue Grant Disp., Gunnison, Colo.
Sept. 19—Hereford Heaven Femal Calf Sale, Ardmore, Okla.
Oct. 1—Thorpe Hereford Farms, Britton, So. Dak.
Oct. 6—Wyoming Hereford Ranch, Cheyenne, Wyo.
Oct. 10—CR Ranch, Brookville, Kans.
Oct. 18, 19—Honey Creek Ranch Disp., Grove, Okla.
Oct. 27—Circle A Hereford Farm, Morris, Ill.
Oct. 28—South Texas Hereford Breeder-Femal Assn., Beeville, Texas.
Oct. 31—Hill Country Hereford Assn., Mason, Tex.
Nov. 6—Southdale Farms, Lintonville, Tenn.
Nov. 7—Marshall Jordan, Clinton, Okla.
Nov. 9—NE New Mexico Hereford Br. Assn., Raton, N. M.
Nov. 12—Freeman & Graven, Pecos, Texas.
Nov. 13—Sunflower Fertility, Hutchinson, Kans.
Nov. 16—Hammon Hereford Ranch, Wichita Falls, Texas.
Nov. 18—Woody Hereford Ranch, Barnard, Kans.
Nov. 21—Mid-North Texas Hereford Assn., Cleburne, Texas.
Nov. 26—Low County New Mexico Hereford Assn., Laramie, N. M.
Nov. 28—Texas-Oklahoma Hereford Breeders Assn., Wichita Falls, Texas.
Dec. 1—Blair County Hereford Br. Assn., Johnstown, Pa.
Dec. 3—West Texas Hereford Assn., Abilene, Tex.
Dec. 4—Sweetwater Area Hereford Br., Sweetwater, Texas.
Dec. 6—Central Oklahoma Hereford Br., Oklahoma City, Okla.
Dec. 8—Hereford Heaven Assn., Range Bull Sales, Amarillo, Okla.
Dec. 10—Hill Country Hereford Br., Amarillo, Texas.
Dec. 15—Pay-Kor Ranch, Choctaw, Okla.
Jan. 6, 1962—Concho County Hereford Assn., San Angelo, Texas.
Jan. 7—Mid-Texas Hereford Assn., Stephenville, Texas.
Jan. 9—Hill Country Hereford Assn., Mason, Tex.
Jan. 20—Flat Top Ranch, Walton Springs, Texas.
Jan. 22—Purchase Hereford Br. Assn., Amarillo, Texas.

POLLED HEREFORD SALES

Sept. 29—Central Texas Polled Hereford Sale, Clifton, Texas.
Nov. 5—Panola-Tate Calf Sale, Senatobia, Miss.
ANGUS SALES
May 14—Southern Oklahoma Angus Br. Assn., Fulshear, Aransas, Okla.
June 4—Tulsa Angus Assn. Annual Female Sale, San Angelo, Texas.
June 11—Ferndale Ranch Dispersal, Canoga Park, Calif.
June 18—Beehive Angus Farm Dispersal, Columbus, Minn.
Sept. 25—Tenn Angus Feeder Calf Sale, San Angelo, Texas.
Sept. 28—National Angus Assn. Sale, Memphis, Tenn.
Nov. 12—Lothrop McClung, Fort Worth, Texas.
Nov. 13—Brown-Shahan Sale, Brady, Texas.
Nov. 14—Easor Ranch, San Antonio, Texas.
Nov. 26—Steenbrykrook-Angus, Ada, Okla.
Dec. 5—Johnson-Moore-Lomax & Allen, San Angelo, Texas.

SHORTHORN SALES

June 13—Blue Grass Shorthorn and Polled Shorthorn International Fertility Sale, Louisville, Ky.

BRAHMAN SALES

June 11—J. A. Blackman Disp., Alexandria, La.
Sept. 28—Texas Mid-Coastal Brahman Br., Wharton, Texas.

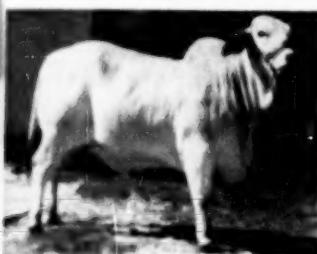
HORSE SALES

May 24—Gulf Coast Quarter Horse Sale, Goliad, Texas.

GENERAL

May 3—Swisher County Angus Field Day, Tula, Texas.
May 4—O'Bryan Ranch Field Day, Huttoville, Kans.
May 5—Kansas State College Annual Feeders Day, Manhattan, Kans.
May 7-13—American Royal Horse and Dairy Cattle Show, Kansas City, Mo.
May 9-13—National Intercollegiate Rodeo, Fort Worth, Texas.
May 10—Northwestern Oklahoma Cattlemen's Assn., Woodward, Okla.
May 12—Hereford Short Course, Tyler, Texas.

Champion ABBA Brahmans



Left—Miss Dian 4th of LSU, champion ABBA Brahman female, San Antonio Livestock Exposition, owned by Louisiana State University, Baton Rouge, La.
Right—JDH James D. Manso, champion ABBA bull, owned by J. D. Hudgins, Hungerford, Texas. We regret the mix-up in photos in the April issue.

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The cost of membership in the Association is \$6.00 annual dues and 12 cents per head per year assessment on the number of cattle rendered.

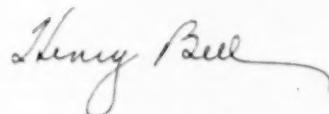
The Association employs inspectors at the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range country and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

Write for Information About the Texas and Southwestern Cattle Raisers' Association
Henry Bell, Secretary, Fort Worth

NOTICE!

East Texas Cattlemen

The Board of Directors of the Texas and Southwestern Cattle Raisers Association will hold its first quarterly meeting of 1951 on June 16th, 9:00 A. M., in the Blackstone Hotel, Tyler, Texas. Matters of great importance to the livestock industry will be discussed and all cattlemen, particularly East Texas cattlemen, are cordially invited to attend.



Secretary and General Manager
TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION

Responsible cattlemen are invited to become members of this Association.

Protect your cattle . . . Protect your property . . . Protect your industry! Fill out and return the application for Association Membership to Henry Bell, Secretary, 410 East Weatherford, Fort Worth 2, Texas. Display the sign of progressive cattlemen.



The Texas and Southwestern Cattle Raisers Association

Application for Membership

A GRICULTURE is an industry of many phases; livestock raising is among the most hazardous. In furnishing the beef of this nation the cattleman is confronted with problems which may be divided into two distinct classes, individual and common.

Individual problems are those which belong to each man separate and distinct from his neighbor or fellow industryman.

Problems of common interest are those which belong to the industry as a whole. Every cattleman knows that diligent attention must be given to matters involving legislation, marketing, finance, freight rates, meat consumption, and the like, the same as the individual must be concerned about feed, water, labor, and other ranch problems. Group action through organization alone furnishes the operating machinery for dealing with problems of common interests.

† CUT ALONG THIS LINE
The necessity for organized effort has caused each industry to form its association. It brought into being organizations for labor and all other businesses. Livestock producers in every state or section formed representative bodies, and among the first was the Texas and Southwestern Cattle Raisers Association.

Membership is open to any cattle producer recommended by responsible parties. There are cattlemen and livestock farmers in every section of the Southwest who are not members but who should be and lend their support to the efforts of this organization in behalf of their industry.

Experienced inspectors are stationed on all the central markets to which cattle from Texas and neighboring states are ordinarily shipped. Upon authorization by a member proceeds of cattle bearing his brand are held, pending investigation, if the inspector believes that such cattle are being handled by unauthorized parties.

Field men are stationed at important range centers and inspect shipments, conduct investigations of losses by members, assist local officers in apprehending and capturing cattle thieves, and serve the membership in any way possible. An attorney furnished by the Association assists local officers in prosecuting parties indicted for theft from a member.

When filling out this application it is important that information as to marks and brands and range of cattle be as complete as possible. Draw your brands and marks on the cuts of animals on reverse side just as they appear on the cattle. Use a separate cut for each brand and state whether the cattle are of your own raising; or if bought, give the name and address of the party from whom you bought. Brands may also be recorded in the space for remarks. If a brand is a tally on bought cattle same will doubtless be in many marks and a "V" should be put in one ear and "M" in the other—indicating various marks.

Charges incident to membership are \$6 annual dues, \$2 subscription to "The Cattleman," and an assessment of twelve cents per head per year on the number of cattle rendered, which number should be 65% of the actual number owned. There is also a voluntary assessment of 1 cent per head on the number of cattle rendered for the support of the National Live Stock and Meat Board. The minimum charge for membership with brand rendered is based on a rendition of 50 head, and even though you own less than 50 head, you are eligible for membership at the minimum charge. If you are now a subscriber to "The Cattleman," same will not be charged to your membership until present subscription expires.

The strength of any representative organization is entirely dependent on the support given it and the number of persons or the composite assets it is authorized to represent. The more members the Association has, the wider can be its scope of representation, and the more effective will be its endeavors.

19.

To the President and Members of the Texas & Southwestern Cattle Raisers Association:

The Petition of the subscriber represents that he is desirous of becoming a member of the Association and I CERTIFY THAT I HAVE RENDERED NOT LESS THAN 65% OF THE CATTLE I AM HANDLING. In case of acceptance I agree and bind myself to conform to the By-Laws governing the Association, and to pay all dues, assessments and other charges provided for by the Association, at Fort Worth, Texas.

Name _____
(Print Name)

Ranch is located _____

Postoffice is _____

65% of the cattle controlled is _____

Recommended by _____

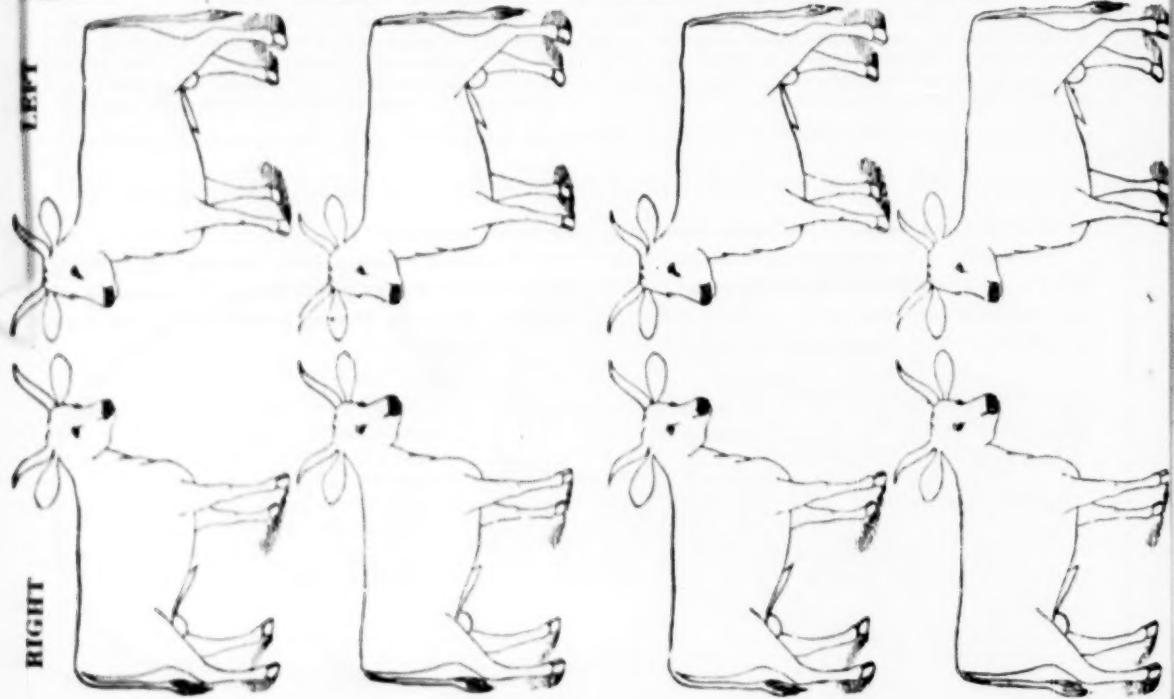
Signature of Applicant

REMARKS

(For Instructions See Other Side)

HORSE BRANDS

LEFT



Range News

(Continued from Page 111)

We have had some scattered rains since the general Easter rain but are in serious need of more moisture to hold what we have started.—Jack H. Mims.

HIGGINS—Cattle trading is not very active at present. Some cattle have been contracted for fall. Grass is very slow this spring due to cold weather and at this writing—April 18—cattlemen are still feeding.—R. B. Tyson.

MARFA—Joe Nunn, Artesia, N. M., sold 710 heifer yearlings to R. L. Zeigler, El Paso.

J. E. White & Sons, Marfa, sold 76 steer yearlings to Iowa feeders.

Borart & Cook, Toyah, sold 281 yearlings to Lee Lane, Glendale, Ariz.

Buck Jackson, Pecos, bought 90 calves from H. T. Collier & Son, Pecos; and sold 151 yearlings to George Porter, Amarillo; and 270 steers to J. M. Hickey, Fort Worth.

Jim Curtis, Toyah, sold 499 heifer yearlings to W. J. Brown, Greeley, Colo.

Antlers Cattle Co., Toyah, shipped 692 steers to Montana grass.

Jeas Burner, Pecos, shipped 2018 steers to Montana grass; 284 heifer yearlings to Fort Sumner, N. M.; sold 579 heifer yearlings to Russell Hodgins, St. Jo, Mo.; and bought 148 steers from K. & S. Cattle Co., Pecos.

Buddy Neal, Van Horn, sold 400 yearlings to Gene Benson, Alpine.

John Dunagan, Van Horn, sold 430 steers to Wayne Christian, San Antonio.

We had some rain in March but high winds and cold weather have kept it from greening up and all of this country is dry. Some cattle are being shipped to northern grass.—Cecil Rourk.

MULESHOE—The following parties sold cattle on the Fort Worth market: Bill Hamron, Muleshoe, one car of bulls; Price Hamilton, Earth, one truck load of steers; Green & Bozeman, Earth, one truck load of mixed cattle; O. W. Jennings, Muleshoe, one truck load of steers; Willie & Alex Steinbok, Muleshoe, one truck load of mixed yearlings; Golden Benton, Muleshoe, one truck load of mixed yearlings; and T. V. Murrell, Earth, bought 25 steers on the Fort Worth market.

Shannon B. Brockman, Muleshoe, sold one truck load of steers on the Amarillo market.

Frank Bozeman, Springlake, sold one truck load of cows on the Lubbock market.

Price controls have curbed trading to some extent, however, there are few cattle left in this section to trade. Most of the calves have been contracted for delivery. We are having a late, cold spring and there is very little green vegetation so far, as we have had very little moisture since February.

Steer calves are selling 38¢ to 40¢; two- and three-year-old heifers and cows with calves, \$250 to \$400; dry cows, 25¢ to 28¢; yearling steers, 38¢ to 45¢.—Jno. S. McMurtry.

QUITAQUE—It continues very dry here and the wheat crop is spotted while new grass is fair to good and very few weeds have started. Cattle have wintered fair to good and there is a good calf crop. Some fall contracts are being made and a few short yearlings are moving out.—O. W. Stroup.

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RANCHES—FARM LANDS**Northwest Colorado Ranch
1200-Head Cattle Setup**

Here is a good one for someone wanting grass now. A year around grazing operation. 1,200 acres deeded and 10,000 acres leased, balance state lease and T. Gr. permit. Summer range on top of Blue Mt.

A cheap operating setup that will do the job. Will run about 3 bands of sheep if combination operation is desired.

Priced for quick sale with immediate possession—\$225,000 with terms. Write, wire or call.

**T. B. Scott & Co.
Meeker, Colo.**

Phone 57W

J. Scott Julian J. E. Season
OR
H. G. (Bill) Berthelson
Phone 125 W.
Meeker, Colo.

TOP RANCHES IN WESTERN COLORADO

SR96—500-head cattle ranch, well located, first-class improvements, including modern brick home, 3 tenant houses, plenty of good outbuildings. Complete operation, private summer allotment partly included, good winter country Taylor and deeded. Five estimate year around. Is completely equipped and stocked.

RR-22—Well-improved Western Colorado stock ranch in scenic country, about 2,400 acres deeded, 650 in cultivation and irrigated meadow. Permit and deeded summer country that handles 500-1,000 head cattle. MODERN HOME, good tenant houses, buildings in excellent condition.

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MONTANA

One of the better small ranches in southeastern Montana. 4040 acres deeded, 80-acre lease with fair improvements, partly modern house, 100 acres in cultivation, cows, cultivation, 300 acres additional, will cut to 400 total, hay 15 miles distant, miles to market, abundance of water, grass, timber and natural shelter. Price \$20.00 per acre, part terms, may be bought with or without livestock.

L. C. LARSON & SON, REALTORS, Chadron, Neb.

FOR A RANCH OR RANCH LAND—From 400 to 1,000 acres from San Antonio to Houston, Austin to Laredo, write or call Yvonne Northrup, Box 624, Phone 2301, Columbus, Texas. If we don't have it, we'll find it for you.

FOR SALE—6,000-acre Missouri cattle ranch, 550 bottom for hay and grain. Ample water and rainfall. Good winter protection. 60 miles from St. Louis market, 10 miles loading pens on railroad direct from Texas. Priced reasonable. R. W. Robinson, Labadie, Mo.

ATTENTION! Want large, productive, well-balanced, watered, improved cattle ranch, to cost \$1,000,000.00. Write Box 5-T, The Cattlemen.

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RANCHES—FARM LANDS**COLORADO RANCHES**

700-ACRE WHEAT FARM. 400 acres cultivated, 180 acres of wheat to be included in sale of property. 360 acres good soil. Improvements include modern 3-bedroom home, grade A dairy barn; large cattle shed and other good improvements. R. E. A. Behind home, mail and milk route. Property located northeast of Colorado Springs in area which receives plenty of moisture to insure good crops. This farm has never failed to produce good wheat crops.

1800 ACRES WITH NICE HOME. Choice property in the pines, near Colorado Springs. 120 acres cultivated; good small grain land. 40 acres sub-irrigated meadow. Good old 3-room modern home has living room with fireplace, dining room, den, kitchen, 3 bedrooms and bath. House located on a new pond, surrounded by lawn and trees. 1 1/2 room cottage, grade A dairy barn, sheds and corrals.

15,000-ACRE CATTLE RANCH in Elbert County, Colorado, close to good town. 400 acres irrigated alfalfa. 400 acres wheat land. Modern 6-room home and other choice improvements. Attractive price; good terms.

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**CATTLE RANCH FOR SALE
GRASS 10 MONTHS OR MORE**

APPROXIMATELY—18 miles north of old historic town of Natches, Miss. Estimated 825 acres, 140 acres bottom land in permanent pasture planted in white Dutch clover, Ryegrass and Kentucky foxtail; balance woodlands and some open pasture. Entire place fenced new wire with cedar and locust posts 8 ft. apart. 100 acres planted. Average 150 cattle. Will accommodate 75 to 80 head cows. Automatic drinking troughs for cattle, 700 ton hay barn, 2 car-load granary, large shore barn, 15,000 gal. water tank, store room, breeding barns, 2 tenant houses adjacent to barn all equipped with toilet and hot water. All improvements less than 4 years old. All farm tools necessary, including tractor, 100 bales, combines, trucks, trailers, etc. Residential occupied by owner 4-room brick, steel and concrete. Unexcavated ante-bellum house in need of repairs. Fire house protection of buildings except tenant houses. Place must be seen to determine value.

Inspection by appointment only.

Write Box 245, Natches, Miss.

Reason for selling—illness.

Western Colorado Ranches

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